Remediation Summary and Site Closure Request

September 19, 2022

Vasquez #001

NMOCD Reference Number:
NRM1932257155

Prepared For:

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1.0 Introduction and Background Information

TRC Environmental Corporation (TRC), on behalf of COG Operating, LLC (COG), has prepared this *Remediation Summary and Site Closure Request* for the Release Site known as the Vasquez #001 (the Site). The legal description of the Site is Unit Letter "J", Section 11, Township 24 South, Range 28 East, in Eddy County, New Mexico. The subject property is owned by a private landowner. The GPS coordinates for the Site are N 32.2315331° W 104.0559235°. Figure 1 depicts the site location.

The Release was discovered on October 9, 2019. The Release occurred from a tank and was the result of internal corrosion. Approximately forty-two (42) barrels (bbls) of produced water was released into an unlined containment. The produced water also affected the well pad immediately adjacent to the tank battery containment.

2.0 NMOCD Approved Workplan

On January 27, 2021, a remediation workplan was submitted to the New Mexico Oil Conservation Division (NMOCD) by COG. The Site is underlain by shallow groundwater (less than 50 feet bgs) and is within a medium karst classified area. Due to the groundwater depth and karst classification, the NMOCD Closure Criteria are as follows for the Vasquez #001:

- 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

In the approved workplan, the remediation activities were to occur following deconstruction of the tank battery. A soil boring advanced at the center of the tank battery indicated chloride concentrations exceeded the NMOCD closure criteria to a depth of greater than fifteen (15) feet bgs. A soil boring advanced in the impacted area adjacent to the containment indicated chloride concentrations exceeded the NMOCD closure criteria to a depth of approximately three (3) feet bgs. The Release footprint and soil boring locations are depicted in Figure 2. COG proposed a deep excavation within the tank battery footprint to a depth of up to approximately seventeen (17) feet bgs or when groundwater was encountered, whichever occurred first. In the event groundwater would be encountered, excavation would cease at the appropriate depth, all soils above that depth would be remediated, closure for the impacted soil site would be requested, and a separate groundwater investigation would be opened. An excavation of approximately three (3) feet bgs on the pad outside the tank battery containment was also proposed. 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.

3.0 Summary of Soil Remediation Activities

On November 26, 2021, soil remediation activities commenced at the Site. An onsite geologist field screened for chloride concentrations to guide the excavation activities, both laterally and vertically, in the areas not delineated by the soil borings. The Release footprint, as indicated by COG, was excavated to a depth of approximately three (3) feet bgs, and the footprint was laterally extended until chloride field screen results indicated soils were below NMOCD closure criteria. In addition, the well pad immediately adjacent to the tank battery on the east was additionally excavated to a depth of approximately four (4) feet bgs. Inside the battery, the center third of the tank battery footprint which was sampled during workplan delineation activities was further excavated to a depth of approximately seventeen (17) feet bgs. Groundwater was encountered at approximately seventeen (17) feet bgs. The western third of the tank battery footprint was further excavated to a depth of approximately seven (7) feet bgs. The eastern third of the tank battery was further excavated to a depth of approximately thirteen (13) feet bgs. Figure 3 depicts the excavation footprint and the associated soil sample locations. All soil was staged on polyvinyl sheeting adjacent to the excavation until it was transported to the R360 Red Bluff facility.

Confirmation soil samples were collected from the sidewalls and floor of the excavation on a one five-point composite soil sample per 200 square foot basis. 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.

Confirmation soil samples CS-1 @ 4', CS-3 @ 4', and CS-15 @ 4' were collected from the floor of the excavation which addressed the Release footprint on the pad outside the tank battery on the adjacent well pad. The approximate four (4) foot excavation is bounded by sidewall soil samples CS-SW-11 through CS-SW-14. Confirmation soil samples CS-2 @ 3', CS-4 @ 3', CS-5 @ 3', CS-6 @ 3', CS-7 @ 3', CS-8 @ 3', CS-9 @ 3', CS-10 @ 3', CS-11 @ 3', CS-12 @ 3', CS-13 @ 3', CS-14 @ 3', CS-16 @ 3' and CS-17 @ 3' were collected from the floor of the approximately three foot excavation across the rest of the well pad. The approximate three foot excavation is bounded by soil samples CS-SW-1 through CS-SW-10. Confirmation soil samples CS-18 @ 7', CS-19 @ 7', and CS-20 @ 7' were collected from the floor of the approximately seven (7) foot excavation in the tank battery footprint. The seven (7) foot excavation is bounded by sidewall soil samples CS-SW-15 through CS-SW-18 to the north, west, and south, and the approximately seventeen (17) foot excavation to the east. Confirmation soil samples CS-21 @ 17', CS-22 @ 17', and CS-23 @ 17' were collected from the base of the excavation at the center of the tank battery footprint. The approximately seventeen (17) foot excavation is bounded by sidewall soil samples CS-SW-19 through CS-SW-24. Confirmation soil samples CS-24 @ 13', CS-25 @ 13', and CS-26 @ 13' were collected from the base of the excavation on the east third of the tank battery footprint. The approximately thirteen (13) foot excavation is bounded by sidewall soil samples CS-SW-25 through CS-SW-28 to the north, south, and east, and the approximately seventeen (17) foot excavation to the west. Photographic documentation of the remediation activities are provided as Appendix C. Laboratory analytical packets are provided as Appendix D.

The analytical results indicated each soil sample exhibited TPH and BTEX concentrations below NMOCD regulatory guidelines. Each soil sample with the exception of floor confirmation soil

samples CS-21 @ 17', CS-22 @ 17', and CS-23 @ 17' (and the associated duplicate, Duplicate-5) and sidewall soil confirmation samples CS-SW-21 @ 7', CS-SW-21 @ 11', CS-SW-22 @ 7', CS-SW-22 @ 11', and CS-SW-26 @ 7' exhibited chloride concentrations below NMOCD closure criteria. To address the sidewall exceedances at the soil sample SW-21 and SW-22 locations, the approximately seventeen (17) foot excavation was extended to the north and south approximately two (2) feet and soil samples CS-SW-21a @ 7', CS-SW-21a @ 11', CS-SW-22a @ 7', and CS-SW-22a @ 11' were collected. To address the sidewall exceedance at sidewall CS-26, the uppermost portion of the south wall of the approximately thirteen (13) foot excavation was laterally extended approximately two (2) feet, and soil sample CS-SW-26a @ 7' was collected. Collected soil samples were submitted for chloride analysis only. The analytical results indicated each submitted soil sample exhibited chloride concentrations below NMOCD regulatory requirements. Analytical results are summarized in Table 1.

Soil samples at the floor of the approximately seventeen (17) foot excavation were collected near the groundwater interface. The excavation did not continue into soils below the groundwater interface. The soil with elevated chloride concentrations at approximately seventeen (17) feet was left in place, and will be addressed separately as a groundwater investigation.

After review of all the analytical results, the excavation was backfilled to grade with landowner approved backfill material. The site was contoured and compacted to meet COG requirements. All excavated soils were transported offsite to the R360 Red Bluff facility.

4.0 NMOCD Denial of Closure and Additional Groundwater Delineation

On January 31, 2022, NMOCD denied the Site Closure Request submitted on December 20, 2021, and requested groundwater investigation at the Site. COG proposed three (3) temporary monitoring wells around the release area, each screened approximately ten (10) feet into groundwater and approximately five (5) feet above groundwater. The proposed temporary well locations and construction were submitted to the NMOCD for approval prior to installation. On March 16, 2022, NMOCD approved the proposed location and construction of the temporary monitoring wells. Following NMOCD approval, the temporary wells were properly permitted with the New Mexico Office of the State Engineer (NMOSE). All NMOCD correspondences can be found in Appendix E.

On June 6, 2022, temporary groundwater monitoring wells TMW-1, TMW-2, and TMW-3 were installed. The wells were constructed with 2-inch Schedule 40 poly vinyl chloride (PVC) to a depth of approximately 27 feet bgs, after groundwater was encountered at approximately 17 feet bgs. The wells were constructed with a 15-foot length of 0.010 inch slot well screen between approximately 27 and 12 feet bgs. The filter pack utilized from the boring terminus to approximately 10 feet bgs was 16/30 grade silica sand. Hydrated bentonite chips were utilized to seal the annulus from 10 feet bgs to grade. The wells were developed utilizing a bailer and groundwater was containerized. The well construction and development information can be found in Appendix F.

Each temporary well was surveyed by a licensed surveyor for latitude, longitude, and elevation. Prior to groundwater sampling, the static groundwater conditions were gauged by a water level probe. The groundwater elevation data of the temporary wells are summarized in Table 2. The temporary well location and potentiometric surface map are depicted in Figure 4.

The temporary groundwater monitoring wells were sampled via low-flow method on June 9, 2022. Each sample was collected and submitted to Eurofins Xenco in Midland, TX. Samples were analyzed for water quality parameters including cations, anions, alkalinity, and hardness. Figure 5 depicts the groundwater analytical results. Based on the sampling data, the water quality is poor with high total dissolved solids (TDS), chloride, and sulfates. The most up-gradient well (TMW-3) has highest chloride and TDS concentrations compared to the downgradient well (TMW-1) near the excavation.

The literature corroborates the data – in the Geology and Ground-Water resources of Eddy County, New Mexico published by the New Mexico Bureau of Mines and Mineral Resources, the Site is in the area between the Guadalupe Mountains and the Pecos River. The location is south of latitude 32° 15', which coincides with the area bounded by the Guadalupe Mountains to the west, the Black River to the north-northwest, Pecos River to the east, and the New Mexico-Texas state line to the south. The Site is located in the northeast corner of the described area. The literature describes groundwater as being good quality to the west with progressively more mineralized groundwater to the east due to evaporite deposits. The shallow water bearing strata near the Pecos River is described as the Rustler formation, which has been documented as poor water quality. In addition, the Malaga Bend area, approximately 2 miles southeast of the Site, the groundwater is documented to have very high concentrations of sulfates and chlorides due to naturally mixing with brine water. The landowner is aware of the poor water quality and does not use shallow groundwater for any purposes.

On August 4, 2022, COG submitted the findings of the groundwater investigation, with the conclusion that the groundwater was not impacted by COG's release, to the NMOCD via email. On August 10, 2022, the NMOCD responded with concurrence of COG's findings and indicated that the NMOCD's concerns for the site had been addressed. Following NMOCD's response, on September 1, 2022, COG properly plugged and abandoned (P&A'd) the temporary wells under NMOSE approval.

5.0 Site Closure Request

Remediation activities were conducted in accordance with NMOCD regulatory guidelines. Laboratory analytical results from excavation confirmation soil samples indicated chloride concentrations were below the NMOCD regulatory guidelines in the submitted confirmation soil and sidewall samples, with the exception of CS-21 @ 17', CS-22 @ 17', and CS-23 @ 17', which were collected at the groundwater interface. The impacted soil was transported to the R360 Red Bluff facility, and the Site was returned to grade with locally sourced non-impacted backfill material. The upgradient temporary well (TMW-3) exhibited higher chloride and TDS concentrations than the well installed near the release (TMW-1). COG asserts that the groundwater was not impacted by the produced water release. Based on laboratory analytical results and field

activities conducted to date, TRC recommends COG provide copies of this Remediation Summary and Site Closure Request to the NMOCD and request closure status to the Vasquez #001 Release Site.

6.0 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 COG Operating, 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 COG Operating, LLC.

7.0 Distribution

Copy 1: Mike Bratcher
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COP Vasquez #1 TB

Table 1 - Confirmation Soil Sample Analytical Results

SAMPLE ID	SAMPLE DEPTH (FT)	SAMPLE DATE	Status (In-Situ vs. Excavated)	Gasoline Range Organics (GRO)-C6-C10 (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)	Total TPH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes, Total (mg/Kg)	Total BTEX (mg/Kg)	Chloride (mg/Kg)
NMOCD Standards	-	-		-	-	-	**100**	**10**	-	-	-	**50**	**600**
Floor Confirmation Soil Samples													
CS-1 @4	4	11/23/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**333**
CS-2 @ 3	3	11/22/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**152**
CS-3 @4	4	11/23/21	In-Situ	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**344**
CS-4 @ 3	3	11/22/21	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**202**
CS-5 @3	3	11/22/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	**492**
CS-6 @3	3	11/22/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**489**
DUPLICATE-2 (CS-6 @ 3)	-	11/22/21	In-Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**515**
CS-7 @3	3	11/22/21	In-Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**161**
CS-8 @3	3	11/22/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**158**
CS-9 @3	3	11/22/21	In-Situ	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**73.8**
CS-10 @ 3	3	11/22/21	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**71.7**
CS-11 @3	3	11/22/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**197**
CS-12 @3	3	11/22/21	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**495**
CS-13 @3	3	11/22/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**148**
CS-14 @3	3	11/22/21	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**132**
CS-15@4	4	11/23/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**361**
CS-16 @4	4	11/23/21	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**362**
CS-17 @3	3	11/23/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**360**
CS-18 @7	7	11/23/21	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**442**
CS-19@7	7	11/23/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	**546**
CS-20@7	7	11/23/21	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**499**
CS-21@17	17	11/23/21	In-Situ (At Capillary Fringe)	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**2390**
CS-22@17	17	11/23/21	In-Situ (At Capillary Fringe)	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**2570**
DUPLICATE-5 (CS-22 @ 17)	-	11/23/21	In-Situ (At Capillary Fringe)	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**2160**

Bold - Analyte Detected Above Laboratory Reporting Limit

Highlighted Yellow - Analyte Analytical Result Exceeds NMOCD Regulatory Guideline

COP Vasquez #1 TB

Table 1 - Confirmation Soil Sample Analytical Results

SAMPLE ID	SAMPLE DEPTH (FT)	SAMPLE DATE	Status (In-Situ vs. Excavated)	Gasoline Range Organics (GRO)-C6-C10 (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)	Total TPH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes, Total (mg/Kg)	Total BTEX (mg/Kg)	Chloride (mg/Kg)
NMOCD Standards	-	-		-	-	-	**100**	**10**	-	-	-	**50**	**600**
CS-23@17	17	11/23/21	In-Situ (At Capillary Fringe)	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**2840**
CS-24 @13'	13'	11/24/21	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	**351**
CS-25 @13'	13'	11/24/21	In-Situ	<14.9	<14.9	<14.9	<14.9	<0.000382	<0.000452	<0.000561	<0.00100	<0.00100	**331**
Duplicate - 6 (CS-25 @ 13')	-	11/24/21	In-Situ	**28.7**	<15.0	<15.0	**28.7**	<0.000386	**0.00168**	<0.000566	<0.00101	**0.00168**	**349**
CS-26 @13'	13'	11/24/21	In-Situ	<15.0	<15.0	<15.0	<15.0	**0.000629**	<0.000458	<0.000567	<0.00101	**0.00110**	**343**
Sidewall Confirmation Soil Samples													
CS-SW-1 @ 1.5	1.5	11/22/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**57.5**
CS-SW -2 @ 1.5	1.5	11/22/21	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**96.1**
DUPLICATE-1 (CS-SW-2 @ 1.5)	-	11/22/21	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**51.0**
CS-SW -3 @ 1.5	1.5	11/22/21	In-Situ	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	**237**
CS-SW-4 @ 1.5	1.5	11/22/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**161**
CS-SW-5 @1.5	1.5	11/22/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**158**
CS-SW-6 @1.5	1.5	11/22/21	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**164**
CS-SW-7 @1.5	1.5	11/22/21	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	**411**
CS-SW-8 @ 1.5	1.5	11/22/21	In-Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**441**
CS-SW-9 @ 1.5	1.5	11/22/21	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**244**
CS-SW-10 @ 1.5	1.5	11/22/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**314**
DUPLICATE -3 (CS-SW-10 @ 1.5)	-	11/22/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**310**
CS-SW-11@3.5	3.5	11/23/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	**368**
CS-SW-12@3.5	3.5	11/23/21	In-Situ	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	**339**
CS-SW13@3.5	3.5	11/23/21	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**297**
CS-SW 14@3.5	3.5	11/23/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**297**
CS-SW-15@5	5	11/23/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	**483**

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COP Vasquez #1 TB

Table 1 - Confirmation Soil Sample Analytical Results

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NMOCD Standards	-	-		-	-	-	**100**	**10**	-	-	-	**50**	**600**
CS-SW-16@5	5	11/23/21	In-Situ	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	**412**
DUPLICATE-4 (CS-SW-16 @ 5)	-	11/23/21	In-Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**466**
CS-SW-17@5	5	11/23/21	In-Situ	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	**408**
CS-SW-18@5	5	11/23/21	In-Situ	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	**458**
CS-SW-19 @11'	11'	11/24/21	In-Situ	<15.0	<15.0	<15.0	<15.0	**0.00106**	**0.000593**	<0.000563	<0.00101	**0.00208**	**339**
Duplicate - 7 (CS-SW-19 @ 11')	-	11/24/21	In-Situ	**36.5**	<15.0	<15.0	**36.5**	**0.000927**	**0.000770**	<0.000566	**0.00210**	**0.00380**	**352**
CS-SW-19 @15'	15'	11/24/21	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.000385	**0.000547**	<0.000565	<0.00101	<0.00101	**347**
CS-SW-20 @11'	11'	11/24/21	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	**330**
CS-SW-20 @15'	15'	11/24/21	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.000381	<0.000451	<0.000559	<0.00100	<0.00100	**361**
CS-SW-21 @7'	7'	11/24/21	Excavated	<14.9	<14.9	<14.9	<14.9	<0.000383	<0.000453	<0.000562	<0.00100	<0.00100	**673**
CS-SW-21a @ 7'	7'	12/1/21	In-Situ	-	-	-	-	-	-	-	-	-	**385**
CS-SW-21 @11'	11'	11/24/21	Excavated	<15.0	<15.0	<15.0	<15.0	<0.000385	<0.000456	<0.000565	<0.00101	<0.00101	**627**
CS-SW-21a @ 11'	11'	12/1/21	In-Situ	-	-	-	-	-	-	-	-	-	**348**
CS-SW-22 @7'	7'	11/24/21	Excavated	<14.9	<14.9	<14.9	<14.9	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	**659**
CS-SW-22a @ 7'	7'	12/1/21	In-Situ	-	-	-	-	-	-	-	-	-	**363**
CS-SW-22 @11'	11'	11/24/21	Excavated	<15.0	<15.0	<15.0	<15.0	<0.000389	<0.000461	<0.000571	<0.00102	<0.00102	**617**
CS-SW-22a @ 11'	11'	12/1/21	In-Situ	-	-	-	-	-	-	-	-	-	**369**
CS-SW-23 @15'	15'	11/24/21	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	**310**
CS-SW-24 @15'	15'	11/24/21	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	**307**
CS-SW-25 @7'	7'	11/24/21	In-Situ	<15.0	<15.0	<15.0	<15.0	**0.000467**	**0.000530**	<0.000566	<0.00101	<0.00101	**401**
CS-SW-25 @11'	11'	11/24/21	In-Situ	<15.0	<15.0	<15.0	<15.0	**0.000467**	<0.000455	<0.000564	<0.00101	<0.00101	**523**
CS-SW-26 @7'	7'	11/24/21	Excavated	<15.0	<15.0	<15.0	<15.0	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	**630**
CS-SW-26a @ 7'	7'	12/1/21	In-Situ	-	-	-	-	-	-	-	-	-	**369**
CS-SW-26 @11'	11'	11/24/21	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.000387	<0.000459	<0.000568	<0.00102	<0.00102	**286**

Bold - Analyte Detected Above Laboratory Reporting Limit

Highlighted Yellow - Analyte Analytical Result Exceeds NMOCD Regulatory Guideline

COP Vasquez #1 TB

Table 1 - Confirmation Soil Sample Analytical Results

SAMPLE ID	SAMPLE DEPTH (FT)	SAMPLE DATE	Status (In-Situ vs. Excavated)	Gasoline Range Organics (GRO)-C6-C10 (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)	Total TPH (mg/Kg)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes, Total (mg/Kg)	Total BTEX (mg/Kg)	Chloride (mg/Kg)
NMOCD Standards	-	-		-	-	-	**100**	**10**	-	-	-	**50**	**600**
CS-SW-27 @7'	7'	11/24/21	In-Situ	<14.9	<14.9	<14.9	<14.9	<0.000389	<0.000461	<0.000571	<0.00102	<0.00102	**155**
CS-SW-27 @11'	11'	11/24/21	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.000389	<0.000461	<0.000571	<0.00102	<0.00102	**146**
CS-SW-28 @7'	7'	11/24/21	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.000388	<0.000460	<0.000570	<0.00102	<0.00102	**353**
CS-SW-28 @11'	11'	11/24/21	In-Situ	<15.0	<15.0	<15.0	<15.0	<0.000383	**0.000504**	<0.000562	<0.00100	<0.00100	**345**

Bold - Analyte Detected Above Laboratory Reporting Limit

Highlighted Yellow - Analyte Analytical Result Exceeds NMOCD Regulatory Guideline

COP Vasquez #1 TB

Table 2 - Groundwater Elevation Data

Groundwater Elevation Data						
Well	Northing	Easting	Elevation (TOC)	Total Depth 6/9/2022	Gauged 6/9/2022	Elevation 6/9/2022
TMW-1	447920.902	627040.105	2988.177	30.50	20.25	2967.93
TMW-2	447979.292	626925.935	2988.295	30.35	20.40	2967.90
TMW-3	448175.898	626977.825	2986.872	30.63	18.74	2968.13

Measurements in US Survey Feet

TOC = Top of casing

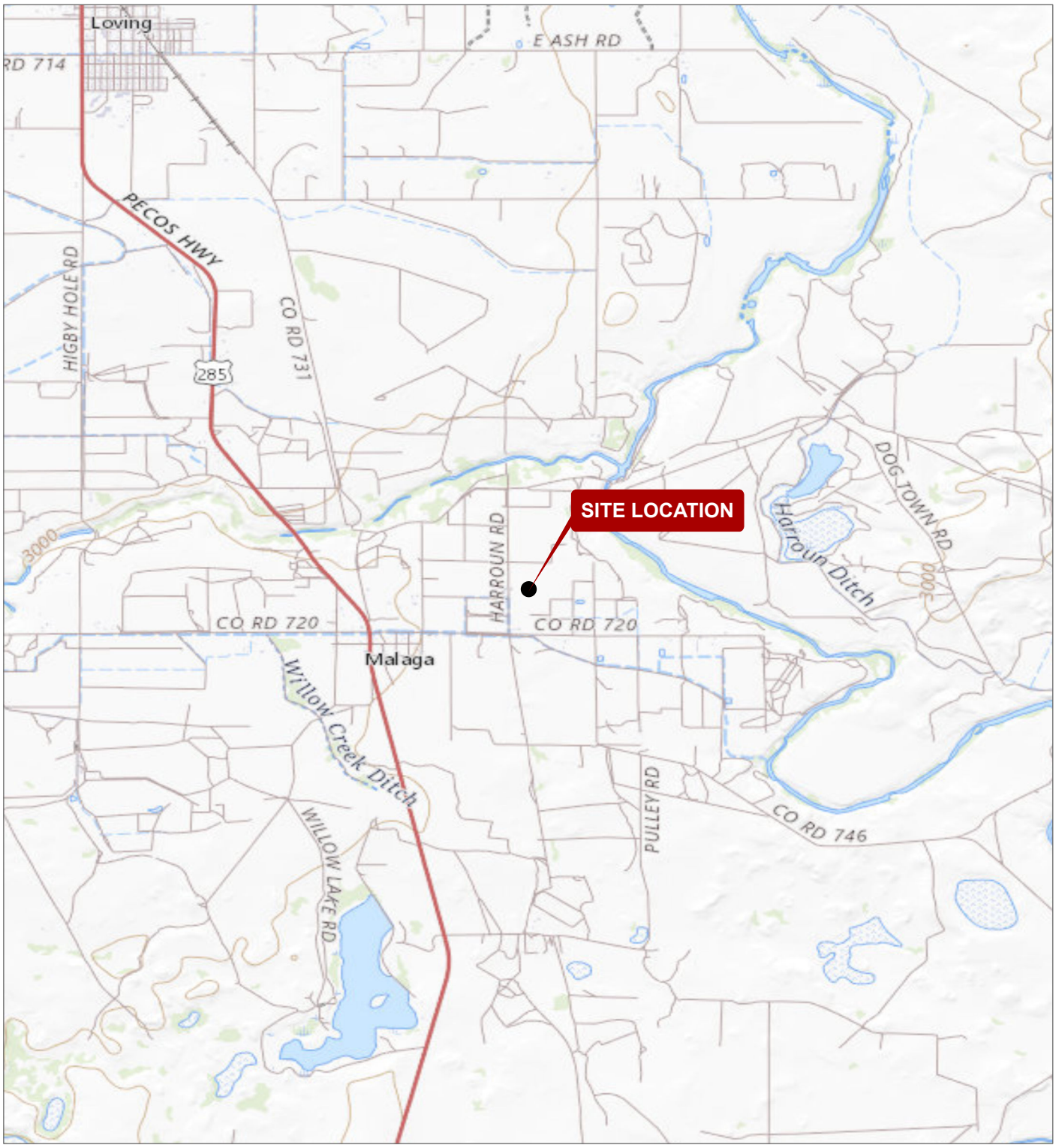
COP Vasquez #1 TB

Table 3 - Groundwater Analytical Data

Groundwater Analytical Data				
		TMW-1	TMW-2	TMW-3
	NMED Action Level - Human Health and Domestic Water Supply Standards	6/9/2022	6/9/2022	6/9/2022
Cations				
Calcium (mg/L)	-	783	959	871
Magnesium (mg/L)	-	251	296	246
Potassium (mg/L)	-	4.69	7.29	9.29
Sodium (mg/L)	-	1030	1220	1230
SiO2 (mg/L)	-	31.3	34.7	30.3
Anions				
Chloride (mg/L)	250.0	**1170**	**1670**	**1880**
Nitrate as N (mg/L)	1.0	**14.6**	**13.1**	**10.6**
Fluoride (mg/L)	1.6	**2.05**	1.54	**1.68**
Sulfate (mg/L)	600.0	**2440**	**2380**	**2350**
Cation/Anion Balance				
Anion/Cation Balance (%)	-	6.87	9.20	4.30
Alkalinity				
Alkalinity (mg/L)	-	260	275	198
Bicarbonate Alkalinity as CaCO3 (mg/L)	-	260	275	198
Carbonate Alkalinity as CaCO3 (mg/L)	-	<4.00	<4.00	<4.00
Hydroxide Alkalinity (mg/L)	-	<4.00	<4.00	<4.00
Phenolphthalein Alkalinity (mg/L)	-	<4.00	<4.00	<4.00
Hardness				
TDS (mg/L)	1000.0	**6020**	**7090**	**6440**
pH	6 - 9	7.0	6.9	7.0

SiO2 = Silicon dioxide

TDS = Total dissolved solids



PROJECT:
COG OPERATING, LLC
VASQUEZ #1 TB
EDDY COUNTY, NEW MEXICO

TITLE:
SITE LOCATION MAP

DRAWN BY:	S. RAY	PROJ. NO.:	470201.0000.0000
CHECKED BY:			
APPROVED BY:			**FIGURE 1**
DATE:	DECEMBER 2021		

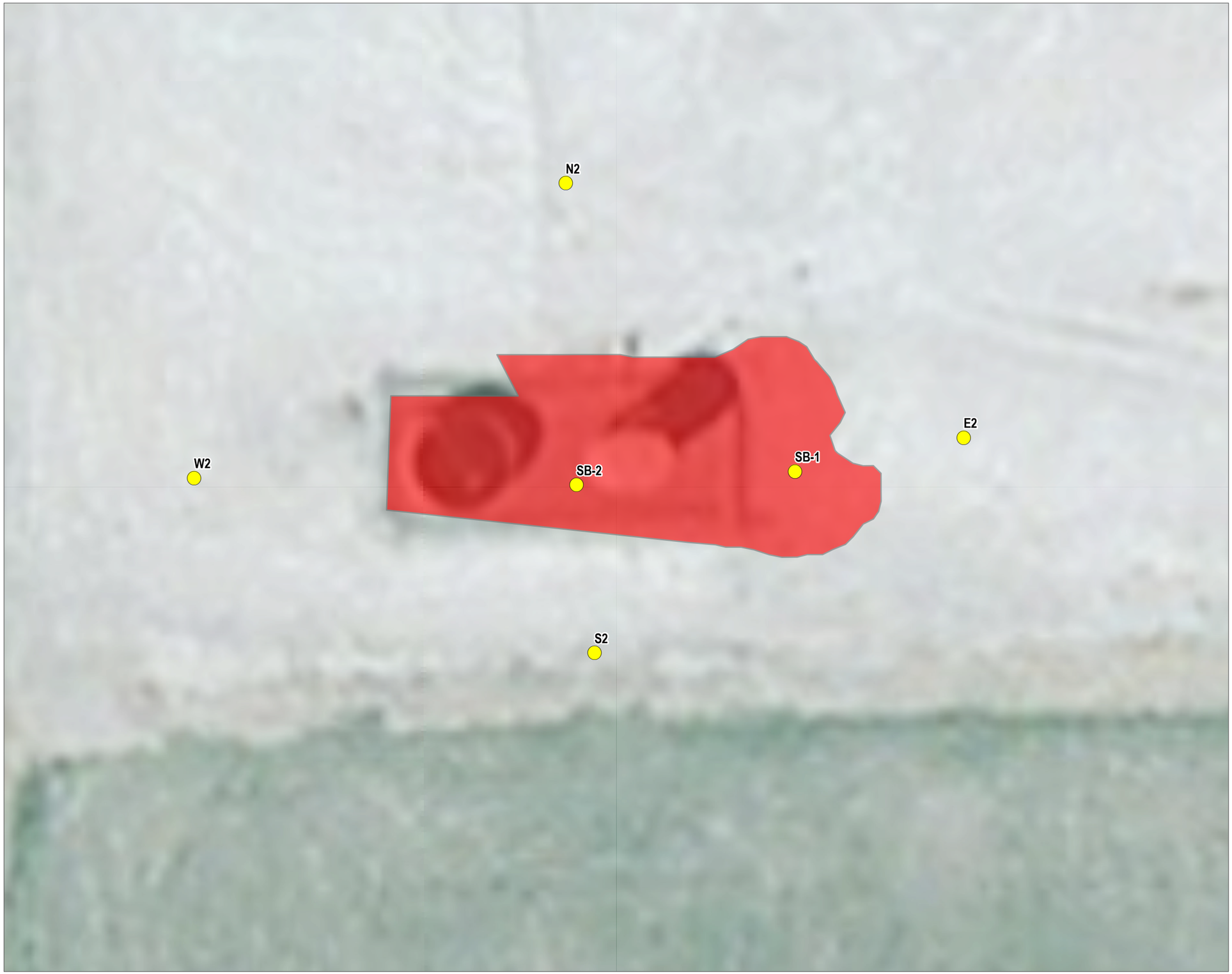
BASE MAP: USGS COLOR ORTHO IMAGERY
DATA SOURCES: TRC

0 0.5 1 MILES

1:63,360 1" = 5,280'

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

FILE: VASQUEZ #1 TB



DELINEATION SAMPLE LOCATION

RELEASE FOOTPRINT

BASE MAP: ESRI "WORLD IMAGERY" ONLINE SERVICE LAYER.
DATA SOURCES: TRC

1:180
1" = 15'

0 15 30 FEET

PROJECT:
COG OPERATING, LLC
VASQUEZ #1 TB
EDDY COUNTY, NEW MEXICO

TITLE:
INITIAL INVESTIGATION MAP

DRAWN BY:	S. RAY	PROJ. NO.:	470201.0000.0000
CHECKED BY:			FIGURE 2
APPROVED BY:			
DATE:	DECEMBER 2021		

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

FILE: Vasquez #1 TB.aprx

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet - Map Rotation: 0
Saved By: SRAY on 12/20/2021 - 12:11:29 PM - File Path: T:\Cross\Projects\470201_Vasquez\2-APRX\Vasquez #1 TB\Vasquez #1 TB.aprx - Layout Name: Previous Investigation

FLOOR CONFIRMATION SAMPLE

SIDEWALL CONFIRMATION SAMPLE

3' EXCAVATION AREA

4' EXCAVATION AREA

7' EXCAVATION AREA

13' EXCAVATION AREA

17' EXCAVATION AREA

NOTES:
1: RED HIGHLIGHT INDICATES CHLORIDE CONCENTRATION EXCEEDS NMOCD REGULATORY GUIDELINES; SOILS LEFT IN-SITU.

BASE MAP: ESRI "WORLD IMAGERY" ONLINE SERVICE LAYER.
DATA SOURCES: TRC

1:180
1" = 15'

0 15 30 FEET

PROJECT:	COG OPERATING, LLC VASQUEZ #1 TB EDDY COUNTY, NEW MEXICO
TITLE:	EXCAVATION AND SAMPLE LOCATION MAP
DRAWN BY: S. RAY	PROJ. NO.: 470201.0000.0000
CHECKED BY:	FIGURE 3
APPROVED BY:	
DATE: DECEMBER 2021	

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

FILE: Vasquez #1 TB.aprx

Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet - Map Rotation: 0
Saved By: SRAY on 12/20/2021 - 12:11:29 PM - File Path: T:\Cross\Projects\470201_Vasquez\2-APRX\Vasquez #1 TB\Vasquez #1 TB.aprx - Layout Name: Excavation and Sample Location Map

LEGEND

- TEMPORARY MONITORING WELL
- 3' EXCAVATION AREA
- 4' EXCAVATION AREA
- 7' EXCAVATION AREA
- 13' EXCAVATION AREA
- 17' EXCAVATION AREA
- POTENTIOMETRIC CONTOUR (DASHED WHERE INFERRED) CONTOUR INTERVAL = 0.05 FT.
- (2967.93) CORRECTED GROUNDWATER ELEVATION (FT MSL)

NOTES:

BASE MAP: ESRI "WORLD IMAGERY" ONLINE SERVICE LAYER.
DATA SOURCES: TRC

1:600
1" = 50'
0 25 50 FEET

PROJECT:
COP OPERATING, LLC
VASQUEZ #1 TB
EDDY COUNTY, NEW MEXICO

TITLE:
WELL LOCATION AND
POTENTIOMETRIC SURFACE MAP

DRAWN BY:	J. CRAHAN	PROJ. NO.:	470201.0000.0000
CHECKED BY:	M. HORN		FIGURE 4
APPROVED BY:			
DATE:	JULY 2022		

TRC

505 E. HUNTLAND DR.
SUITE 250
AUSTIN, TX 78752
(512) 329-6080

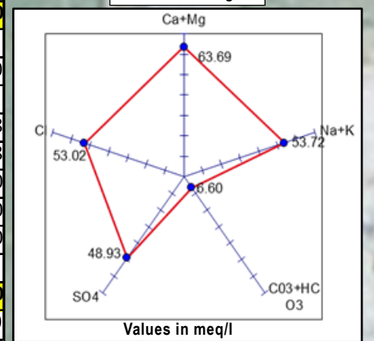
FILE: Vasquez.aprx

Coordinate System: GCS WGS 1984; Map Rotation: 0
Saved By: JCRAHAN on 7/20/2022 - 9:24:48 PM; File Path: T:\1-PROJECTS\ConocoPhillips\481769_Vasquez\2-APRX\Vasquez.aprx; Layout Name: FIG 1-Potentiometric Surface Map

Sample ID	TMW-3
Date	6/9/2022
Cations	
Calcium (mg/L)	871
Magnesium (mg/L)	246
Potassium (mg/L)	9.29
Sodium (mg/L)	1230
SiO2 (mg/L)	30.3
Anions	
Chloride (mg/L)	**1880**
Nitrate as N (mg/L)	**10.6**
Fluoride (mg/L)	**1.68**
Sulfate (mg/L)	**2350**
Cation/Anion Balance	
Anion/Cation Balance (%)	4.30
Alkalinity	
Alkalinity (mg/L)	198
Bicarbonate Alkalinity as CaCO3 (mg/L)	198
Carbonate Alkalinity as CaCO3 (mg/L)	<4.00
Hydroxide Alkalinity (mg/L)	<4.00
Phenolphthalein Alkalinity (mg/L)	<4.00
Hardness	
TDS (mg/L)	**6440**
pH	7.0

TMW-3

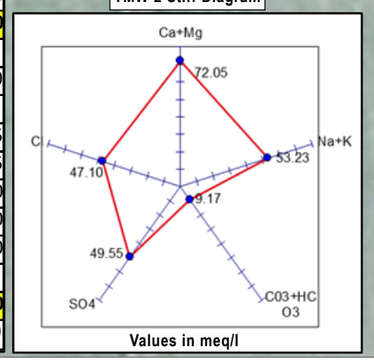
TMW-3 Stiff Diagram



Sample ID	TMW-2
Date	6/9/2022
Cations	
Calcium (mg/L)	959
Magnesium (mg/L)	296
Potassium (mg/L)	7.29
Sodium (mg/L)	1220
SiO2 (mg/L)	34.7
Anions	
Chloride (mg/L)	**1670**
Nitrate as N (mg/L)	**13.1**
Fluoride (mg/L)	1.54
Sulfate (mg/L)	**2380**
Cation/Anion Balance	
Anion/Cation Balance (%)	9.20
Alkalinity	
Alkalinity (mg/L)	275
Bicarbonate Alkalinity as CaCO3 (mg/L)	275
Carbonate Alkalinity as CaCO3 (mg/L)	<4.00
Hydroxide Alkalinity (mg/L)	<4.00
Phenolphthalein Alkalinity (mg/L)	<4.00
Hardness	
TDS (mg/L)	**7090**
pH	6.9

TMW-2

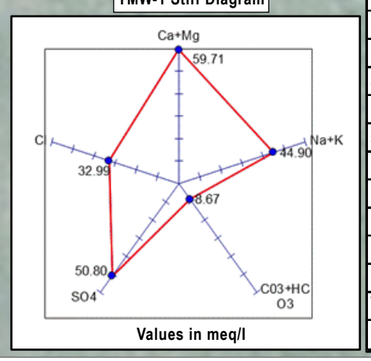
TMW-2 Stiff Diagram



TMW-1

Sample ID	TMW-1
Date	6/9/2022
Cations	
Calcium (mg/L)	783
Magnesium (mg/L)	251
Potassium (mg/L)	4.69
Sodium (mg/L)	1030
SiO2 (mg/L)	31.3
Anions	
Chloride (mg/L)	**1170**
Nitrate as N (mg/L)	**14.6**
Fluoride (mg/L)	**2.05**
Sulfate (mg/L)	**2440**
Cation/Anion Balance	
Anion/Cation Balance (%)	6.87
Alkalinity	
Alkalinity (mg/L)	260
Bicarbonate Alkalinity as CaCO3 (mg/L)	260
Carbonate Alkalinity as CaCO3 (mg/L)	<4.00
Hydroxide Alkalinity (mg/L)	<4.00
Phenolphthalein Alkalinity (mg/L)	<4.00
Hardness	
TDS (mg/L)	**6020**
pH	7.0

TMW-1 Stiff Diagram



LEGEND

- TEMPORARY MONITORING WELL
- 3' EXCAVATION AREA
- 4' EXCAVATION AREA
- 7' EXCAVATION AREA
- 13' EXCAVATION AREA
- 17' EXCAVATION AREA

NOTES:

1. MG/L - MILLIGRAM PER LITER
2. < - ANALYTE NOT DETECTED ABOVE LABORATORY REPORTING LIMIT
3. HIGHLIGHTED ANALYTES EXCEED THE APPLICABLE HUMAN HEALTH AND DOMESTIC WATER SUPPLY NMED ACTION LEVEL

BASE MAP: ESRI "WORLD IMAGERY" ONLINE SERVICE LAYER.
DATA SOURCES: TRC

1:600
1" = 50'
0 25 50 FEET

PROJECT:
COP OPERATING, LLC
VASQUEZ #1 TB
EDDY COUNTY, NEW MEXICO

TITLE:
GROUNDWATER ANALYTICAL RESULTS MAP

DRAWN BY:	J. CRAHAN	PROJ. NO.:	470201.0000.0000
CHECKED BY:	M. HORN		
APPROVED BY:			FIGURE 5
DATE:	JULY 2022		

TRC
505 E. HUNTLAND DR.
SUITE 250
AUSTIN, TX 78752
(512) 329-6080

FILE: Vasquez.aprx

Coordinate System: GCS WGS 1984; Map Rotation: 0
Stored By: JCRAHAN on 7/21/2022 - 10:51:17 PM; File Path: T:\1-PROJ\EC\TS\ConocoPhillips\481769_Vasquez\3-APRX\Vasquez.aprx; Layout Name: FIG 2-Analytical Results Map

Appendix A: NMOCD Approved Workplan – Appendices Removed

CONCHO

January 27, 2021

Mike Bratcher
Oil Conservation Division, District 2
811 S First St.
Artesia, NM 88210

Revised Work Plan

Vasquez #001
RP#: 2RP-5702
Incident#: NRM1932257155
DOR: October 9, 2019
GPS: 32.2315331 -104.0559235
Unit Letter J, Section 11, Township 24 South, Range 28 East
Eddy County, New Mexico

To Whom It May Concern,

COG Operating, LLC (COG) is pleased to submit the following work plan in response to a release that occurred at the Vasquez #001 tank battery. The release is located in Unit Letter J, Section 11, Township 24 South and Range 28 East in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.2315331 North and -104.0559235 West.

BACKGROUND

The release was discovered on October 9, 2019. A C-141 initial report was submitted to the New Mexico Oil Conservation Division (NMOCD). The initial C-141 is presented in Appendix A. Due to internal corrosion of a tank a release of approximately forty-two (42) barrels (bbls) of produced water occurred inside of the unlined containment. Fluid leached through the earthen berm and impacted the well pad adjacent to the containment.

GROUNDWATER AND REGULATORY FRAMEWORK

According to the United States Geological Survey (USGS) the nearest water well (321343104025801) is located approximately 0.4 miles southeast of the release site and indicates that groundwater in the project vicinity is approximately thirty-six (36) feet BGS. USGS water well information is shown in Appendix B.

A risk based evaluation and site determinations were performed in accordance to the New Mexico Oil Conservation Division (NMOCD) Rule (Title 19 Chapter 15 Part 29) for releases on oil and gas development and production in New Mexico (effective August 14, 2018). According to the site characterization evaluation the area has a medium potential for cave karst, no other receptors (water

wells, playas, karst, water course, lake beds or ordinance boundaries) were located within each specific boundaries or distance from the site. The groundwater data and the site characterization evaluation data is summarized in Appendix B. The delineation and closure criteria are listed below:

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft.)
Medium Karst	36 Feet

Delineation and Closure Criteria:

Recommended Remedial Action Levels (RRALs)	
Chlorides	600 mg/kg
TPH (GRO and DRO and MRO)	100 mg/kg
TPH (GRO and DRO)	N/A
Benzene	10 mg/kg
Total BTEX	50 mg/kg

ASSESSMENT

On May 15, 2020, a geo-probe was utilized to vertically delineate the impacted area adjacent to the containment and to collect background samples from the surrounding area.

On December 9, 2020, an air rotary drilling rig was utilized to vertically delineate the impacted area inside of the containment. Soil samples were collected utilizing a split-spoon at five (5) foot intervals. Following collection of the spit-spoon soil sample at fifteen (15) feet below ground surface (BGS) the soil boring was being vertically advanced when groundwater was encountered at approximately seventeen (17) feet BGS. Drilling operations were ceased and the boring was plugged with bentonite hole plug.

PROPOSED WORK PLAN

- In order to facilitate remediation, the tank battery will be relocated to another area on the well pad.
- To remove the source area, the impacted area within the unlined containment will be excavated to a depth of seventeen (17) feet BGS or until groundwater is encountered.
- Once removed, bottom hole samples will be collected from the excavation to determine if groundwater in the immediate area has been affected by the release.

- The impacted pad area surrounding the unlined containment will be excavated to a depth of three (3) feet BGS.
- The excavated material will be hauled to an NMOCD approved solid waste disposal facility.
- The excavation will be backfilled with clean "like" material and contoured to match the surrounding terrain.

SAMPLING PLAN

Once the excavation is complete, confirmation soil samples will be collected from the excavated areas. To collect representative samples, composite samples (5-point composite) will be collected every two-hundred (200) square feet from the bottom and sidewalls of the excavated area. The soil samples will be laboratory analyzed for the constituents of concern. Discrete soil samples will be collected from the excavation if any "hot spots" are encountered during the excavation. If groundwater is encountered in the bottom of the excavation, bottom confirmation samples will be collected on a two-hundred (200) square foot as possible based on site conditions.

REMEDIATION TIMEFRAME AND ESTIMATED VOLUME

The remediation will be performed 90 days after the work plan has been approved. Approximately one-thousand five-hundred (1,500) cubic yards of soil will be excavated and hauled offsite for proper disposal.

SITE RECLAMATION AND RESTORATION

All of the fluid remained on the well pad. No reclamation activities will be required at this site.

Should you have any questions or concerns on the proposed remediation activities, please do not hesitate to contact me.

Sincerely,

Sincerely,

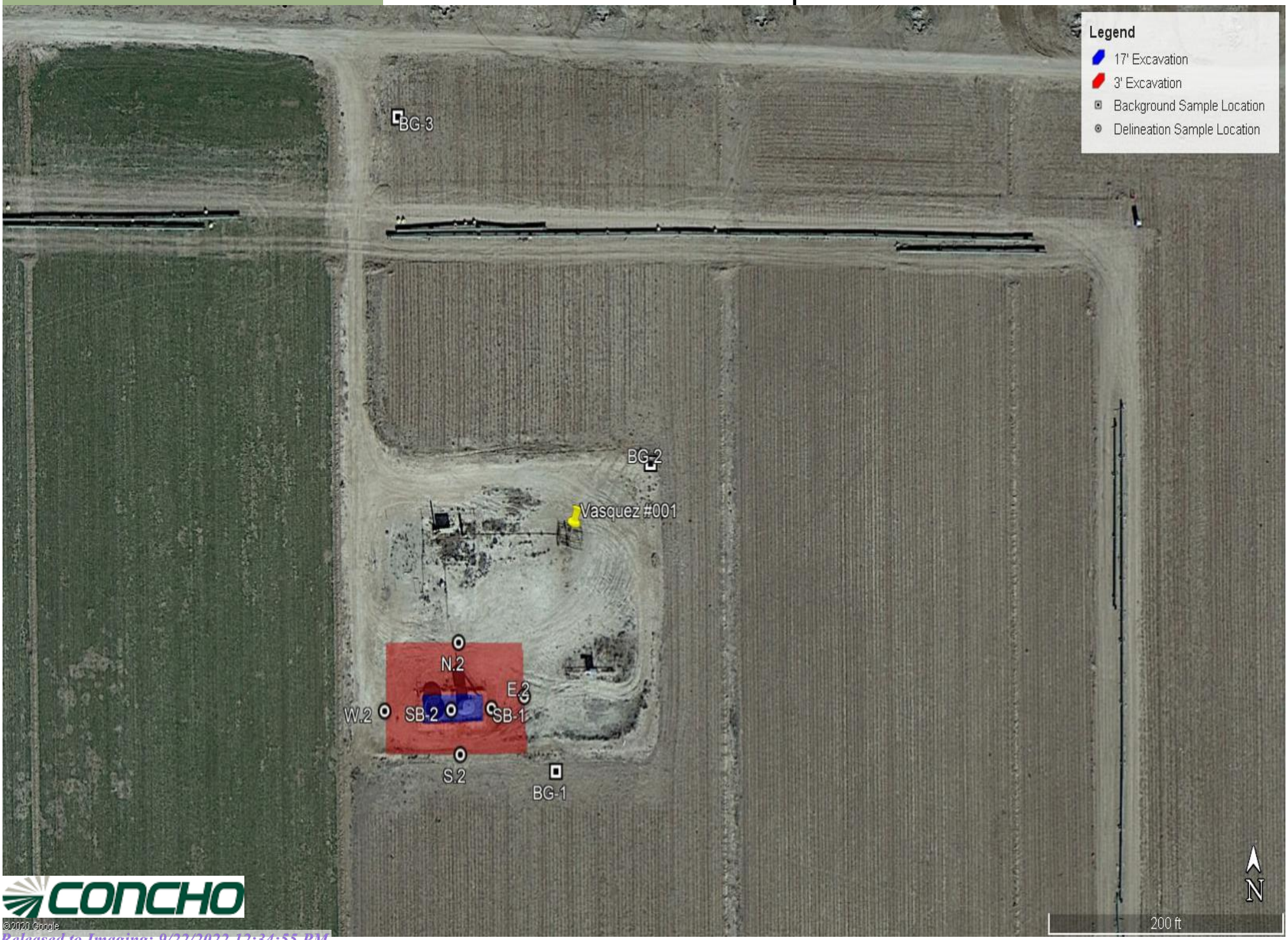
Sheldon Hitchcock

Sheldon L. Hitchcock
HSE Coordinator
slhitchcock@concho.com

FIGURES

October 5, 2019

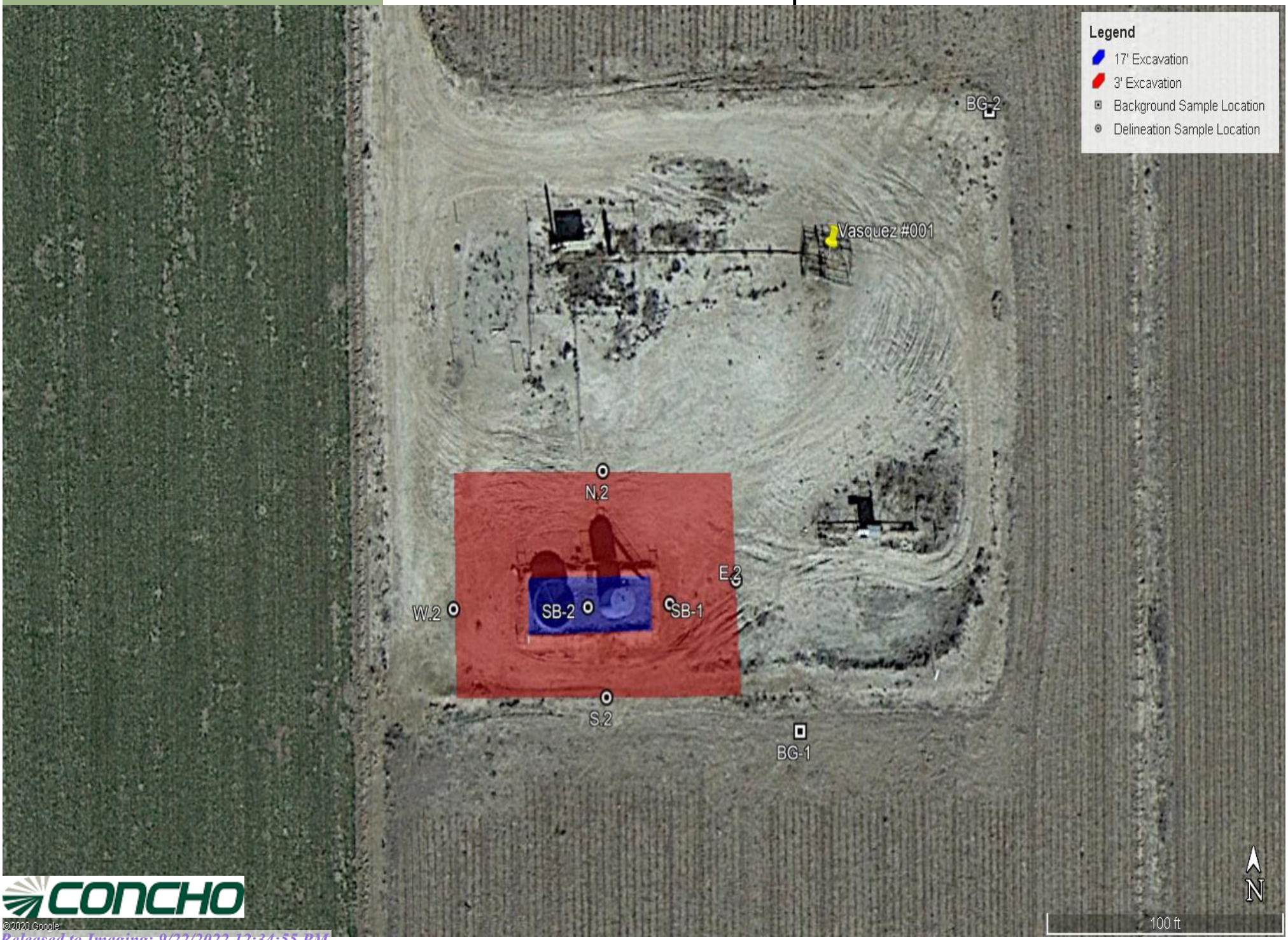
Vasquez #001



CONCHO

October 5, 2019

Vasquez #001



CONCHO

TABLES

Table 1
COG Operating LLC.
Vasquez #001
Eddy County, New Mexico

Sample ID	Sample Depth (ft)	Sample Date	Soil Status		TPH (mg/kg)							Benzene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	MRO	*Total*	GRO	DRO	*Total*			
NMOCD RRAL Limits (mg/kg)					**-**	**-**	**-**	**2,500**	**-**	**-**	**1,000**	**10**	**50**	**20,000**
SB-1	0-1	5/15/2020	X		<10.0	<10.0	<10.0	0.0	<10.0	<10.0	0.0	<0.050	<0.300	4,800
SB-1	2	5/15/2020	X		#	#	#	#	#	#	#	#	#	1,070
SB-1	3	5/15/2020	X		#	#	#	#	#	#	#	#	#	368
SB-2	5	12/9/2020	X		<50.0	<50.0	<50.0	0.0	<50.0	<50.0	0.0	<0.002	<0.002	5,890
SB-2	10	12/9/2020	X		<50.0	<50.0	<50.0	0.0	<50.0	<50.0	0.0	<0.002	<0.002	3,990
SB-2	15	12/9/2020	X		<50.0	<50.0	<50.0	0.0	<50.0	<50.0	0.0	<0.002	<0.002	935
N. 2	0-0.5	1/14/2021	X		#	#	#	#	#	#	#	#	#	146
S.2	0-0.5	1/14/2021	X		#	#	#	#	#	#	#	#	#	280
E.2	0.0.5	1/14/2021	X		#	#	#	#	#	#	#	#	#	256
W.2	0-0.6	1/14/2021	X		#	#	#	#	#	#	#	#	#	339
BG-1	0-1	5/15/2020	X		#	#	#	#	#	#	#	#	#	80
BG-1	2	5/15/2020	X		#	#	#	#	#	#	#	#	#	80
BG-1	3	5/15/2020	X		#	#	#	#	#	#	#	#	#	96
BG-1	4	5/15/2020	X		#	#	#	#	#	#	#	#	#	112
BG-1	5	5/15/2020	X		#	#	#	#	#	#	#	#	#	272
BG-1	6	5/15/2020	X		#	#	#	#	#	#	#	#	#	96
BG-1 R	7	5/15/2020	X		#	#	#	#	#	#	#	#	#	80
BG-2	0-1	5/15/2020	X		#	#	#	#	#	#	#	#	#	112
BG-2	2	5/15/2020	X		#	#	#	#	#	#	#	#	#	128
BG-2	3	5/15/2020	X		#	#	#	#	#	#	#	#	#	128
BG-2	4	5/15/2020	X		#	#	#	#	#	#	#	#	#	112
BG-2	5	5/15/2020	X		#	#	#	#	#	#	#	#	#	144
BG-2	6	5/15/2020	X		#	#	#	#	#	#	#	#	#	144
BG-2	7	5/15/2020	X		#	#	#	#	#	#	#	#	#	144
BG-2	8	5/15/2020	X		#	#	#	#	#	#	#	#	#	64
BG-2	9	5/15/2020	X		#	#	#	#	#	#	#	#	#	288
BG-2	10	5/15/2020	X		#	#	#	#	#	#	#	#	#	96
BG-2 R	11	5/15/2020	X		#	#	#	#	#	#	#	#	#	144
BG-3	0-1	5/15/2020	X		#	#	#	#	#	#	#	#	#	96
BG-3	2	5/15/2020	X		#	#	#	#	#	#	#	#	#	112
BG-3	3	5/15/2020	X		#	#	#	#	#	#	#	#	#	96
BG-3	4	5/15/2020	X		#	#	#	#	#	#	#	#	#	144
BG-3	5	5/15/2020	X		#	#	#	#	#	#	#	#	#	160
BG-3 R	6	5/15/2020	X		#	#	#	#	#	#	#	#	#	96
Avg BG Chloride	126.01													

Proposed Excavation Depth

(#) Not Analyzed

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

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☐ Description of remediation activities

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.

Printed Name: _____ Title: _____

Signature: Ike Tavarez Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 09/22/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

Appendix C: Photographic Documentation

COG Vasquez #001
Date: 12/20/2021

Photographic Documentation

Photograph No. 1 **Date:** **11/18/2021** **Direction:** **West** **Description:** **View of removed tank battery.**	
Photograph No. 2 **Date:** **11/18/2021** **Direction:** **South** **Description:** **View of removed tank battery.**	

COG Vasquez #001
Date: 12/20/2021

Photographic Documentation

Photograph No. 3 **Date:** **12/1/2021** **Direction:** **West** **Description:** **View of completed excavation.**	
Photograph No. 4 **Date:** **12/1/2021** **Direction:** **North** **Description:** **View of completed excvation.**	

COG Vasquez #001
Date: 12/20/2021

Photographic Documentation

Photograph No. 5 **Date:** **12/1/2021** **Direction:** **Southeast** **Description:** **View of completed excvation.**	
Photograph No. 6 **Date:** **11/24/2021** **Direction:** **South** **Description:** **Groundwater infiltrating base of approximatlely 17 foot excavation.**	

COG Vasquez #001
Date: 12/20/2021

Photographic Documentation

Photograph No. 7 **Date:** **12/3/2021** **Direction:** **North** **Description:** **View of backfilled area.**	
Photograph No. 8 **Date:** **12/3/2021** **Direction:** **West** **Description:** **View of backfilled area.**	

Appendix D: Laboratory Analytical Data

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ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-8867-1
Laboratory Sample Delivery Group: Malaga, NM
Client Project/Site: COP Vasquez #1 TB

For:
TRC Solutions, Inc.
2057 Commerce Drive
Midland, Texas 79703

Attn: Jared Stoffel

JKRAMER

Authorized for release by:
12/6/2021 12:12:45 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Laboratory Job ID: 880-8867-1
SDG: Malaga, NM

Table of Contents

Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 880-8867-1
Project/Site: COP Vasquez #1 TB SDG: Malaga, NM

Qualifiers

HPLC/IC

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

General Chemistry

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

Glossary

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8867-1
SDG: Malaga, NM

Job ID: 880-8867-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-8867-1

Receipt
The sample was received on 12/1/2021 4:38 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

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

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8867-1
SDG: Malaga, NM

Client Sample ID: GW-1
Date Collected: 12/01/21 11:30
Date Received: 12/01/21 16:38
Sample Depth: 17'

Lab Sample ID: 880-8867-1
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3320		25.0		mg/L			12/02/21 20:06	50
Sulfate	2470		25.0		mg/L			12/02/21 20:06	50

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	8040		500		mg/L			12/01/21 18:48	1

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8867-1
SDG: Malaga, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-13748/3
Matrix: Water
Analysis Batch: 13748

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.500	U	0.500		mg/L			12/02/21 18:11	1
Sulfate	<0.500	U	0.500		mg/L			12/02/21 18:11	1

Lab Sample ID: LCS 880-13748/4
Matrix: Water
Analysis Batch: 13748

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			25.0	24.90		mg/L		100	90 - 110		
Sulfate			25.0	23.66		mg/L		95	90 - 110		

Lab Sample ID: LCSD 880-13748/5
Matrix: Water
Analysis Batch: 13748

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
Chloride			25.0	24.80		mg/L		99	90 - 110	0	20
Sulfate			25.0	23.50		mg/L		94	90 - 110	1	20

Lab Sample ID: 880-8856-A-1 MS
Matrix: Water
Analysis Batch: 13748

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	4.50		25.0	28.23		mg/L		95	90 - 110		
Sulfate	<0.500	U	25.0	23.47		mg/L		94	90 - 110		

Lab Sample ID: 880-8856-A-1 MSD
Matrix: Water
Analysis Batch: 13748

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.50		25.0	28.05		mg/L		94	90 - 110	1	20
Sulfate	<0.500	U	25.0	23.60		mg/L		94	90 - 110	1	20

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 880-13707/1
Matrix: Water
Analysis Batch: 13707

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

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<25.0	U	25.0		mg/L			12/01/21 18:48	1

Lab Sample ID: LCS 880-13707/2
Matrix: Water
Analysis Batch: 13707

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			1000	1004		mg/L		100	80 - 120		

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8867-1
SDG: Malaga, NM

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCSD 880-13707/3
Matrix: Water
Analysis Batch: 13707

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
Total Dissolved Solids			1000	1000		mg/L		100	80 - 120	0	10

Lab Sample ID: 880-8847-F-1 DU
Matrix: Water
Analysis Batch: 13707

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	9460			9590		mg/L				1	10

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8867-1
SDG: Malaga, NM

HPLC/IC

Analysis Batch: 13748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8867-1	GW-1	Total/NA	Water	300.0	
MB 880-13748/3	Method Blank	Total/NA	Water	300.0	
LCS 880-13748/4	Lab Control Sample	Total/NA	Water	300.0	
LCSD 880-13748/5	Lab Control Sample Dup	Total/NA	Water	300.0	
880-8856-A-1 MS	Matrix Spike	Total/NA	Water	300.0	
880-8856-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

General Chemistry

Analysis Batch: 13707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8867-1	GW-1	Total/NA	Water	SM 2540C	
MB 880-13707/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 880-13707/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 880-13707/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
880-8847-F-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8867-1
SDG: Malaga, NM

Client Sample ID: GW-1

Date Collected: 12/01/21 11:30
Date Received: 12/01/21 16:38

Lab Sample ID: 880-8867-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		50			13748	12/02/21 20:06	CH	XEN MID
Total/NA	Analysis	SM 2540C		1	10 mL	200 mL	13707	12/01/21 18:48	SC	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8867-1
SDG: Malaga, NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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
300.0		Water	Chloride
300.0		Water	Sulfate
SM 2540C		Water	Total Dissolved Solids

Method Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8867-1
SDG: Malaga, NM

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
SM 2540C	Solids, Total Dissolved (TDS)	SM	XEN MID

Protocol References:

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

SM = "Standard Methods For The Examination Of Water And Wastewater"

Laboratory References:

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

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8867-1
SDG: Malaga, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-8867-1	GW-1	Water	12/01/21 11:30	12/01/21 16:38	17'

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Chain of Custody

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

880-8867 Chain of Custody

www.xenco.com Page 1 of 1

Project Manager:	Jared Staffel	Bill to: (if different)	Ike Tavarez
Company Name:	TRC	Company Name:	COP
Address:	10 Desta Dr.	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	432-238-3003	Email:	Misti, Jared, Ike

Project Name:	COP Vasquez #1 TB	Turn Around	
Project Number:		☐ Routine ☑ Rush 24hr	
Project Location:	Malaga, NM	Due Date:	
Sampler's Name:	Misti Bryant	TAT starts the day received by the lab, if received by 4:30pm	
PO #			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	.10
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	.2
Total Containers:		Corrected Temperature:	.3

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: NM
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables. EDD ☐ ADaPT ☐ Other:

Preservative Codes

None NO | DI Water H_2O
Cool Cool | MeOH Me
HCL. HC | HNO_3 HN
H_2SO_4 H_2 | NaOH Na
H_3PO_4. HP
NaHSO 4 NABIS
$Na_2S_2O_3$ NaSO 3
Zn Acetate+NaOH Zn
NaOH+Ascorbic Acid SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: Sulfate	Chloride	TDS
GW-1	W	12/1/21	1130	17'	G	2	X	X	X

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Misti Bryant	Patricia R	12/01/21 16:28	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-8867-1
SDG Number: Malaga, NM

Login Number: 8867
List Number: 1
Creator: Teel, Brianna

List Source: Eurofins Xenco, Midland

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

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1619-1
Laboratory Sample Delivery Group: Malaga NM
Client Project/Site: COP Vasquez #1 TB

For:
TRC Solutions, Inc.
2057 Commerce Drive
Midland, Texas 79703

Attn: Jared Stoffel

JKRAMER

Authorized for release by:
12/1/2021 9:18:02 AM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 890-1619-1
Project/Site: COP Vasquez #1 TB SDG: Malaga NM

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Job ID: 890-1619-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1619-1

Receipt
The samples were received on 11/22/2021 4:54 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

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

GC Semi VOA
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: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-2 @ 3

Date Collected: 11/22/21 09:00
Date Received: 11/22/21 16:54
Sample Depth: 3

Lab Sample ID: 890-1619-1

Matrix: Solid

Method: 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		11/23/21 09:11	11/23/21 22:39	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		11/23/21 09:11	11/23/21 22:39	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		11/23/21 09:11	11/23/21 22:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/23/21 09:11	11/23/21 22:39	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		11/23/21 09:11	11/23/21 22:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/23/21 09:11	11/23/21 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*11/23/21 09:11*	*11/23/21 22:39*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/23/21 09:11*	*11/23/21 22:39*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/23/21 08:35	1

Method: 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		11/24/21 13:43	11/25/21 00:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 00:33	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 00:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*11/24/21 13:43*	*11/25/21 00:33*	*1*
o-Terphenyl	*116*		*70 - 130*	*11/24/21 13:43*	*11/25/21 00:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**152**		4.95		mg/Kg			11/24/21 12:28	1

Client Sample ID: CS-4 @ 3

Date Collected: 11/22/21 09:05
Date Received: 11/22/21 16:54
Sample Depth: 3

Lab Sample ID: 890-1619-2

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/23/21 09:11	11/23/21 23:00	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/23/21 09:11	11/23/21 23:00	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/23/21 09:11	11/23/21 23:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/23/21 09:11	11/23/21 23:00	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/23/21 09:11	11/23/21 23:00	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/23/21 09:11	11/23/21 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*11/23/21 09:11*	*11/23/21 23:00*	*1*

Eurofins Xenco, Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-4 @ 3

Lab Sample ID: 890-1619-2
Matrix: Solid
Date Collected: 11/22/21 09:05
Date Received: 11/22/21 16:54
Sample Depth: 3

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*11/23/21 09:11*	*11/23/21 23:00*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/23/21 08:35	1

Method: 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		11/24/21 13:43	11/25/21 01:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/25/21 01:39	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/25/21 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*110*		*70 - 130*	*11/24/21 13:43*	*11/25/21 01:39*	*1*
o-Terphenyl	*107*		*70 - 130*	*11/24/21 13:43*	*11/25/21 01:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**202**		5.04		mg/Kg			11/24/21 12:50	1

Client Sample ID: CS-5 @3

Lab Sample ID: 890-1619-3
Matrix: Solid
Date Collected: 11/22/21 09:10
Date Received: 11/22/21 16:54
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/23/21 09:11	11/23/21 23:20	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/23/21 09:11	11/23/21 23:20	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/23/21 09:11	11/23/21 23:20	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/23/21 09:11	11/23/21 23:20	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/23/21 09:11	11/23/21 23:20	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/23/21 09:11	11/23/21 23:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*11/23/21 09:11*	*11/23/21 23:20*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/23/21 09:11*	*11/23/21 23:20*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/23/21 08:35	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-5 @3

Lab Sample ID: 890-1619-3
Matrix: Solid
Date Collected: 11/22/21 09:10
Date Received: 11/22/21 16:54
Sample Depth: 3

Method: 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		11/24/21 13:43	11/25/21 02:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 02:01	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*11/24/21 13:43*	*11/25/21 02:01*	*1*
o-Terphenyl	*112*		*70 - 130*	*11/24/21 13:43*	*11/25/21 02:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**492**		4.98		mg/Kg			11/24/21 12:58	1

Client Sample ID: CS-6 @3

Lab Sample ID: 890-1619-4
Matrix: Solid
Date Collected: 11/22/21 09:15
Date Received: 11/22/21 16:54
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/23/21 23:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/23/21 23:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/23/21 23:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/23/21 09:11	11/23/21 23:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/23/21 23:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/23/21 09:11	11/23/21 23:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*11/23/21 09:11*	*11/23/21 23:41*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/23/21 09:11*	*11/23/21 23:41*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/23/21 08:35	1

Method: 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		11/24/21 13:43	11/25/21 02:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 02:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*11/24/21 13:43*	*11/25/21 02:23*	*1*
o-Terphenyl	*115*		*70 - 130*	*11/24/21 13:43*	*11/25/21 02:23*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-6 @3

Lab Sample ID: 890-1619-4
Matrix: Solid
Date Collected: 11/22/21 09:15
Date Received: 11/22/21 16:54
Sample Depth: 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	489		4.95		mg/Kg			11/24/21 13:05	1

Client Sample ID: CS-7 @3

Lab Sample ID: 890-1619-5
Matrix: Solid
Date Collected: 11/22/21 09:20
Date Received: 11/22/21 16:54
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 00:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 00:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 00:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/23/21 09:11	11/24/21 00:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 00:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/23/21 09:11	11/24/21 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*11/23/21 09:11*	*11/24/21 00:01*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/23/21 09:11*	*11/24/21 00:01*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/23/21 08:35	1

Method: 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		11/24/21 13:43	11/25/21 02:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/24/21 13:43	11/25/21 02:45	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/24/21 13:43	11/25/21 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*11/24/21 13:43*	*11/25/21 02:45*	*1*
o-Terphenyl	*104*		*70 - 130*	*11/24/21 13:43*	*11/25/21 02:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	161		4.97		mg/Kg			11/24/21 13:12	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-8 @3

Date Collected: 11/22/21 09:25
Date Received: 11/22/21 16:54
Sample Depth: 3

Lab Sample ID: 890-1619-6

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 00:21	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 00:21	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 00:21	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/23/21 09:11	11/24/21 00:21	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 00:21	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/23/21 09:11	11/24/21 00:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*11/23/21 09:11*	*11/24/21 00:21*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/23/21 09:11*	*11/24/21 00:21*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/23/21 08:35	1

Method: 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		11/24/21 13:43	11/25/21 03:07	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 03:07	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*11/24/21 13:43*	*11/25/21 03:07*	*1*
o-Terphenyl	*107*		*70 - 130*	*11/24/21 13:43*	*11/25/21 03:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**158**		4.99		mg/Kg			11/24/21 13:35	1

Client Sample ID: CS-9 @3

Date Collected: 11/22/21 09:30
Date Received: 11/22/21 16:54
Sample Depth: 3

Lab Sample ID: 890-1619-7

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/23/21 09:11	11/24/21 00:42	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/23/21 09:11	11/24/21 00:42	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/23/21 09:11	11/24/21 00:42	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/23/21 09:11	11/24/21 00:42	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/23/21 09:11	11/24/21 00:42	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/23/21 09:11	11/24/21 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*11/23/21 09:11*	*11/24/21 00:42*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-9 @3

Date Collected: 11/22/21 09:30
Date Received: 11/22/21 16:54
Sample Depth: 3

Lab Sample ID: 890-1619-7

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/23/21 09:11*	*11/24/21 00:42*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/23/21 08:35	1

Method: 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		11/24/21 13:43	11/25/21 03:29	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/24/21 13:43	11/25/21 03:29	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/24/21 13:43	11/25/21 03:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*11/24/21 13:43*	*11/25/21 03:29*	*1*
o-Terphenyl	*110*		*70 - 130*	*11/24/21 13:43*	*11/25/21 03:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73.8**		4.98		mg/Kg			11/24/21 13:42	1

Client Sample ID: CS-10 @ 3

Date Collected: 11/22/21 09:35
Date Received: 11/22/21 16:54
Sample Depth: 3

Lab Sample ID: 890-1619-8

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/23/21 09:11	11/24/21 01:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/23/21 09:11	11/24/21 01:02	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/23/21 09:11	11/24/21 01:02	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/23/21 09:11	11/24/21 01:02	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/23/21 09:11	11/24/21 01:02	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/23/21 09:11	11/24/21 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*11/23/21 09:11*	*11/24/21 01:02*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/23/21 09:11*	*11/24/21 01:02*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/23/21 08:35	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-10 @ 3

Lab Sample ID: 890-1619-8
Matrix: Solid
Date Collected: 11/22/21 09:35
Date Received: 11/22/21 16:54
Sample Depth: 3

Method: 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		11/24/21 13:43	11/25/21 03:51	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/25/21 03:51	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/25/21 03:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/24/21 13:43*	*11/25/21 03:51*	*1*
o-Terphenyl	*98*		*70 - 130*	*11/24/21 13:43*	*11/25/21 03:51*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.7**		5.00		mg/Kg			11/24/21 13:49	1

Client Sample ID: CS-11 @3

Lab Sample ID: 890-1619-9
Matrix: Solid
Date Collected: 11/22/21 09:40
Date Received: 11/22/21 16:54
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 01:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 01:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 01:23	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/23/21 09:11	11/24/21 01:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 01:23	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/23/21 09:11	11/24/21 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*11/23/21 09:11*	*11/24/21 01:23*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*11/23/21 09:11*	*11/24/21 01:23*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Method: 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		11/24/21 13:43	11/25/21 04:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 04:14	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 04:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*11/24/21 13:43*	*11/25/21 04:14*	*1*
o-Terphenyl	*109*		*70 - 130*	*11/24/21 13:43*	*11/25/21 04:14*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-11 @3

Lab Sample ID: 890-1619-9
Matrix: Solid
Date Collected: 11/22/21 09:40
Date Received: 11/22/21 16:54
Sample Depth: 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	197		5.00		mg/Kg			11/24/21 13:57	1

Client Sample ID: CS-12 @3

Lab Sample ID: 890-1619-10
Matrix: Solid
Date Collected: 11/22/21 09:45
Date Received: 11/22/21 16:54
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 01:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 01:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 01:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/23/21 09:11	11/24/21 01:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 01:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/23/21 09:11	11/24/21 01:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*11/23/21 09:11*	*11/24/21 01:43*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/23/21 09:11*	*11/24/21 01:43*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Method: 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		11/24/21 13:43	11/25/21 04:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/25/21 04:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/25/21 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*11/24/21 13:43*	*11/25/21 04:36*	*1*
o-Terphenyl	*123*		*70 - 130*	*11/24/21 13:43*	*11/25/21 04:36*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	495		4.98		mg/Kg			11/24/21 14:04	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-13 @3

Date Collected: 11/22/21 09:50
Date Received: 11/22/21 16:54
Sample Depth: 3

Lab Sample ID: 890-1619-11

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/23/21 09:11	11/24/21 03:06	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/23/21 09:11	11/24/21 03:06	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/23/21 09:11	11/24/21 03:06	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/23/21 09:11	11/24/21 03:06	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/23/21 09:11	11/24/21 03:06	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/23/21 09:11	11/24/21 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/23/21 09:11*	*11/24/21 03:06*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/23/21 09:11*	*11/24/21 03:06*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Method: 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		11/24/21 13:43	11/25/21 05:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 05:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 05:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*11/24/21 13:43*	*11/25/21 05:21*	*1*
o-Terphenyl	*108*		*70 - 130*	*11/24/21 13:43*	*11/25/21 05:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**148**		4.99		mg/Kg			11/24/21 14:11	1

Client Sample ID: CS-14 @3

Date Collected: 11/22/21 09:55
Date Received: 11/22/21 16:54
Sample Depth: 3

Lab Sample ID: 890-1619-12

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 03:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 03:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 03:27	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/23/21 09:11	11/24/21 03:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 03:27	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/23/21 09:11	11/24/21 03:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*11/23/21 09:11*	*11/24/21 03:27*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-14 @3

Lab Sample ID: 890-1619-12
Matrix: Solid

Date Collected: 11/22/21 09:55
Date Received: 11/22/21 16:54
Sample Depth: 3

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/23/21 09:11*	*11/24/21 03:27*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Method: 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		11/24/21 13:43	11/25/21 05:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/25/21 05:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/25/21 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*11/24/21 13:43*	*11/25/21 05:43*	*1*
o-Terphenyl	*120*		*70 - 130*	*11/24/21 13:43*	*11/25/21 05:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**132**		5.05		mg/Kg			11/24/21 14:34	1

Client Sample ID: CS-SW-1 @ 1.5

Lab Sample ID: 890-1619-13
Matrix: Solid

Date Collected: 11/22/21 10:00
Date Received: 11/22/21 16:54
Sample Depth: 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 03:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 03:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 03:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/23/21 09:11	11/24/21 03:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 03:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/23/21 09:11	11/24/21 03:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*11/23/21 09:11*	*11/24/21 03:47*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/23/21 09:11*	*11/24/21 03:47*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-SW-1 @ 1.5

Lab Sample ID: 890-1619-13
Matrix: Solid
Date Collected: 11/22/21 10:00
Date Received: 11/22/21 16:54
Sample Depth: 1.5

Method: 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		11/24/21 13:43	11/25/21 06:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 06:04	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 06:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*11/24/21 13:43*	*11/25/21 06:04*	*1*
o-Terphenyl	*107*		*70 - 130*	*11/24/21 13:43*	*11/25/21 06:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.5**		5.01		mg/Kg			11/24/21 14:41	1

Client Sample ID: CS-SW -2 @ 1.5

Lab Sample ID: 890-1619-14
Matrix: Solid
Date Collected: 11/22/21 10:05
Date Received: 11/22/21 16:54
Sample Depth: 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 04:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 04:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 04:08	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/23/21 09:11	11/24/21 04:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 04:08	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/23/21 09:11	11/24/21 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*11/23/21 09:11*	*11/24/21 04:08*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*11/23/21 09:11*	*11/24/21 04:08*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Method: 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		11/24/21 13:43	11/25/21 06:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/25/21 06:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/25/21 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*11/24/21 13:43*	*11/25/21 06:26*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/24/21 13:43*	*11/25/21 06:26*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-SW -2 @ 1.5

Lab Sample ID: 890-1619-14
Matrix: Solid
Date Collected: 11/22/21 10:05
Date Received: 11/22/21 16:54
Sample Depth: 1.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96.1		4.97		mg/Kg			11/24/21 15:03	1

Client Sample ID: CS-SW -3 @ 1.5

Lab Sample ID: 890-1619-15
Matrix: Solid
Date Collected: 11/22/21 10:30
Date Received: 11/22/21 16:54
Sample Depth: 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/23/21 09:11	11/24/21 04:28	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/23/21 09:11	11/24/21 04:28	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/23/21 09:11	11/24/21 04:28	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/23/21 09:11	11/24/21 04:28	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/23/21 09:11	11/24/21 04:28	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/23/21 09:11	11/24/21 04:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*11/23/21 09:11*	*11/24/21 04:28*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*11/23/21 09:11*	*11/24/21 04:28*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Method: 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		11/24/21 13:43	11/25/21 06:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/24/21 13:43	11/25/21 06:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/24/21 13:43	11/25/21 06:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*11/24/21 13:43*	*11/25/21 06:48*	*1*
o-Terphenyl	*103*		*70 - 130*	*11/24/21 13:43*	*11/25/21 06:48*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	237		4.95		mg/Kg			11/24/21 15:10	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-SW-4 @ 1.5

Lab Sample ID: 890-1619-16
Matrix: Solid
Date Collected: 11/22/21 10:40
Date Received: 11/22/21 16:54
Sample Depth: 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/23/21 09:11	11/24/21 04:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/23/21 09:11	11/24/21 04:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/23/21 09:11	11/24/21 04:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/23/21 09:11	11/24/21 04:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/23/21 09:11	11/24/21 04:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/23/21 09:11	11/24/21 04:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*11/23/21 09:11*	*11/24/21 04:48*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/23/21 09:11*	*11/24/21 04:48*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Method: 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		11/24/21 13:43	11/25/21 07:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 07:10	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 07:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*11/24/21 13:43*	*11/25/21 07:10*	*1*
o-Terphenyl	*117*		*70 - 130*	*11/24/21 13:43*	*11/25/21 07:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**161**		4.98		mg/Kg			11/24/21 15:18	1

Client Sample ID: CS-SW-5 @1.5

Lab Sample ID: 890-1619-17
Matrix: Solid
Date Collected: 11/22/21 10:50
Date Received: 11/22/21 16:54
Sample Depth: 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/23/21 09:11	11/24/21 05:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/23/21 09:11	11/24/21 05:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/23/21 09:11	11/24/21 05:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/23/21 09:11	11/24/21 05:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/23/21 09:11	11/24/21 05:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/23/21 09:11	11/24/21 05:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*11/23/21 09:11*	*11/24/21 05:09*	*1*

Eurofins Xenco, Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-SW-5 @1.5

Lab Sample ID: 890-1619-17
Matrix: Solid
Date Collected: 11/22/21 10:50
Date Received: 11/22/21 16:54
Sample Depth: 1.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/23/21 09:11*	*11/24/21 05:09*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Method: 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		11/24/21 13:43	11/25/21 07:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 07:32	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/24/21 13:43	11/25/21 07:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*11/24/21 13:43*	*11/25/21 07:32*	*1*
o-Terphenyl	*125*		*70 - 130*	*11/24/21 13:43*	*11/25/21 07:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**158**		4.95		mg/Kg			11/24/21 15:25	1

Client Sample ID: CS-SW-6 @1.5

Lab Sample ID: 890-1619-18
Matrix: Solid
Date Collected: 11/22/21 11:00
Date Received: 11/22/21 16:54
Sample Depth: 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/23/21 09:11	11/24/21 05:29	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/23/21 09:11	11/24/21 05:29	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/23/21 09:11	11/24/21 05:29	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/23/21 09:11	11/24/21 05:29	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/23/21 09:11	11/24/21 05:29	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/23/21 09:11	11/24/21 05:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*11/23/21 09:11*	*11/24/21 05:29*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/23/21 09:11*	*11/24/21 05:29*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-SW-6 @1.5

Lab Sample ID: 890-1619-18
Matrix: Solid
Date Collected: 11/22/21 11:00
Date Received: 11/22/21 16:54
Sample Depth: 1.5

Method: 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		11/24/21 13:43	11/25/21 07:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/25/21 07:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/25/21 07:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*11/24/21 13:43*	*11/25/21 07:53*	*1*
o-Terphenyl	*98*		*70 - 130*	*11/24/21 13:43*	*11/25/21 07:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**164**		5.04		mg/Kg			11/24/21 15:32	1

Client Sample ID: CS-SW-7 @1.5

Lab Sample ID: 890-1619-19
Matrix: Solid
Date Collected: 11/22/21 11:10
Date Received: 11/22/21 16:54
Sample Depth: 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/23/21 09:11	11/24/21 05:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/23/21 09:11	11/24/21 05:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/23/21 09:11	11/24/21 05:50	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		11/23/21 09:11	11/24/21 05:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/23/21 09:11	11/24/21 05:50	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		11/23/21 09:11	11/24/21 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*11/23/21 09:11*	*11/24/21 05:50*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/23/21 09:11*	*11/24/21 05:50*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Method: 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		11/24/21 13:43	11/25/21 08:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/25/21 08:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/25/21 08:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*11/24/21 13:43*	*11/25/21 08:15*	*1*
o-Terphenyl	*109*		*70 - 130*	*11/24/21 13:43*	*11/25/21 08:15*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-SW-7 @1.5

Lab Sample ID: 890-1619-19
Matrix: Solid
Date Collected: 11/22/21 11:10
Date Received: 11/22/21 16:54
Sample Depth: 1.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	411		5.01		mg/Kg			11/24/21 15:40	1

Client Sample ID: CS-SW-8 @ 1.5

Lab Sample ID: 890-1619-20
Matrix: Solid
Date Collected: 11/22/21 11:20
Date Received: 11/22/21 16:54
Sample Depth: 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 06:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 06:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 06:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/23/21 09:11	11/24/21 06:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/24/21 06:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/23/21 09:11	11/24/21 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*11/23/21 09:11*	*11/24/21 06:10*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*11/23/21 09:11*	*11/24/21 06:10*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Method: 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		11/24/21 13:43	11/25/21 08:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/24/21 13:43	11/25/21 08:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/24/21 13:43	11/25/21 08:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*11/24/21 13:43*	*11/25/21 08:37*	*1*
o-Terphenyl	*91*		*70 - 130*	*11/24/21 13:43*	*11/25/21 08:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	441		4.99		mg/Kg			11/24/21 15:47	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-SW-9 @ 1.5

Lab Sample ID: 890-1619-21
Matrix: Solid
Date Collected: 11/22/21 11:30
Date Received: 11/22/21 16:54
Sample Depth: 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/23/21 16:45	11/24/21 11:07	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/23/21 16:45	11/24/21 11:07	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/23/21 16:45	11/24/21 11:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/23/21 16:45	11/24/21 11:07	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/23/21 16:45	11/24/21 11:07	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/23/21 16:45	11/24/21 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*11/23/21 16:45*	*11/24/21 11:07*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/23/21 16:45*	*11/24/21 11:07*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Method: 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		11/24/21 12:36	11/25/21 05:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/24/21 12:36	11/25/21 05:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/24/21 12:36	11/25/21 05:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*115*		*70 - 130*	*11/24/21 12:36*	*11/25/21 05:43*	*1*
o-Terphenyl	*129*		*70 - 130*	*11/24/21 12:36*	*11/25/21 05:43*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**244**		25.1		mg/Kg			11/24/21 02:11	5

Client Sample ID: CS-SW-10 @ 1.5

Lab Sample ID: 890-1619-22
Matrix: Solid
Date Collected: 11/22/21 11:40
Date Received: 11/22/21 16:54
Sample Depth: 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/23/21 16:45	11/24/21 11:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/23/21 16:45	11/24/21 11:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/23/21 16:45	11/24/21 11:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/23/21 16:45	11/24/21 11:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/23/21 16:45	11/24/21 11:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/23/21 16:45	11/24/21 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*11/23/21 16:45*	*11/24/21 11:28*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-SW-10 @ 1.5

Lab Sample ID: 890-1619-22
Matrix: Solid
Date Collected: 11/22/21 11:40
Date Received: 11/22/21 16:54
Sample Depth: 1.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/23/21 16:45*	*11/24/21 11:28*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Method: 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		11/24/21 12:36	11/25/21 06:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/24/21 12:36	11/25/21 06:04	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/24/21 12:36	11/25/21 06:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*114*		*70 - 130*	*11/24/21 12:36*	*11/25/21 06:04*	*1*
o-Terphenyl	*129*		*70 - 130*	*11/24/21 12:36*	*11/25/21 06:04*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**314**		25.2		mg/Kg			11/24/21 02:18	5

Client Sample ID: DUPLICATE-1

Lab Sample ID: 890-1619-23
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/22/21 16:54
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 11:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 11:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 11:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/23/21 16:45	11/24/21 11:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 11:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/23/21 16:45	11/24/21 11:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*11/23/21 16:45*	*11/24/21 11:48*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*11/23/21 16:45*	*11/24/21 11:48*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: DUPLICATE-1

Lab Sample ID: 890-1619-23
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/22/21 16:54
Sample Depth: 3

Method: 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		11/24/21 12:36	11/25/21 06:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/24/21 12:36	11/25/21 06:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/24/21 12:36	11/25/21 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*11/24/21 12:36*	*11/25/21 06:26*	*1*
o-Terphenyl	*104*		*70 - 130*	*11/24/21 12:36*	*11/25/21 06:26*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.0**		4.99		mg/Kg			11/24/21 02:40	1

Client Sample ID: DUPLICATE-2

Lab Sample ID: 890-1619-24
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/22/21 16:54
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 12:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 12:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 12:08	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/23/21 16:45	11/24/21 12:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 12:08	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/23/21 16:45	11/24/21 12:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/23/21 16:45*	*11/24/21 12:08*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*11/23/21 16:45*	*11/24/21 12:08*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Method: 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		11/24/21 12:36	11/25/21 06:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/24/21 12:36	11/25/21 06:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/24/21 12:36	11/25/21 06:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*11/24/21 12:36*	*11/25/21 06:48*	*1*
o-Terphenyl	*126*		*70 - 130*	*11/24/21 12:36*	*11/25/21 06:48*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: DUPLICATE-2

Lab Sample ID: 890-1619-24
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/22/21 16:54
Sample Depth: 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	515		25.0		mg/Kg			11/24/21 02:48	5

Client Sample ID: DUPLICATE -3

Lab Sample ID: 890-1619-25
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/22/21 16:54
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 12:29	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 12:29	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 12:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/23/21 16:45	11/24/21 12:29	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 12:29	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/23/21 16:45	11/24/21 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*11/23/21 16:45*	*11/24/21 12:29*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*11/23/21 16:45*	*11/24/21 12:29*	*1*

Method: 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			11/24/21 10:56	1

Method: 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			11/24/21 20:31	1

Method: 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		11/24/21 12:36	11/25/21 07:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/24/21 12:36	11/25/21 07:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/24/21 12:36	11/25/21 07:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*11/24/21 12:36*	*11/25/21 07:10*	*1*
o-Terphenyl	*127*		*70 - 130*	*11/24/21 12:36*	*11/25/21 07:10*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		24.9		mg/Kg			11/24/21 03:10	5

Client Sample ID: TB-11-22-21

Lab Sample ID: 890-1619-26
Matrix: Water
Date Collected: 11/22/21 00:00
Date Received: 11/22/21 16:54

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			11/30/21 19:57	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: TB-11-22-21
Date Collected: 11/22/21 00:00
Date Received: 11/22/21 16:54

Lab Sample ID: 890-1619-26
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/L			11/30/21 19:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			11/30/21 19:57	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			11/30/21 19:57	1
o-Xylene	<0.00200	U	0.00200		mg/L			11/30/21 19:57	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			11/30/21 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*149*	*S1+*	*70 - 130*		*11/30/21 19:57*	*1*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*		*11/30/21 19:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/L			11/24/21 10:56	1

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1619-1	CS-2 @ 3	127	103
890-1619-1 MS	CS-2 @ 3	115	97
890-1619-1 MSD	CS-2 @ 3	117	102
890-1619-2	CS-4 @ 3	113	91
890-1619-3	CS-5 @3	122	101
890-1619-4	CS-6 @3	107	101
890-1619-5	CS-7 @3	122	107
890-1619-6	CS-8 @3	118	102
890-1619-7	CS-9 @3	118	101
890-1619-8	CS-10 @ 3	125	101
890-1619-9	CS-11 @3	138 S1+	113
890-1619-10	CS-12 @3	119	102
890-1619-11	CS-13 @3	114	105
890-1619-12	CS-14 @3	122	103
890-1619-13	CS-SW-1 @ 1.5	108	106
890-1619-14	CS-SW -2 @ 1.5	128	113
890-1619-15	CS-SW -3 @ 1.5	120	111
890-1619-16	CS-SW-4 @ 1.5	104	101
890-1619-17	CS-SW-5 @1.5	115	102
890-1619-18	CS-SW-6 @1.5	123	107
890-1619-19	CS-SW-7 @1.5	139 S1+	100
890-1619-20	CS-SW-8 @ 1.5	128	83
890-1619-21	CS-SW-9 @ 1.5	118	98
890-1619-21 MS	CS-SW-9 @ 1.5	107	106
890-1619-21 MSD	CS-SW-9 @ 1.5	106	109
890-1619-22	CS-SW-10 @ 1.5	99	103
890-1619-23	DUPLICATE-1	126	109
890-1619-24	DUPLICATE-2	114	103
890-1619-25	DUPLICATE -3	135 S1+	95
LCS 880-13013/1-A	Lab Control Sample	100	101
LCS 880-13016/1-A	Lab Control Sample	106	105
LCSD 880-13013/2-A	Lab Control Sample Dup	107	97
LCSD 880-13016/2-A	Lab Control Sample Dup	107	104
MB 880-12798/5-A	Method Blank	106	99
MB 880-13013/5-A	Method Blank	109	82
MB 880-13016/5-A	Method Blank	113	102

Surrogate Legend

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

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-8494-A-7 MS	Matrix Spike	127	118
880-8494-A-7 MSD	Matrix Spike Duplicate	125	118
890-1619-26	TB-11-22-21	149 S1+	114

Surrogate Summary

Client: TRC Solutions, Inc. Job ID: 890-1619-1
Project/Site: COP Vasquez #1 TB SDG: Malaga NM

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)										
LCS 880-13293/65	Lab Control Sample	111	105										
LCSD 880-13293/66	Lab Control Sample Dup	112	99										
MB 880-13186/5-A	Method Blank	76	108										
MB 880-13293/70	Method Blank	79	98										

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-1613-A-1-F MS	Matrix Spike	109	106										
890-1613-A-1-G MSD	Matrix Spike Duplicate	110	105										
890-1619-1	CS-2 @ 3	120	116										
890-1619-1 MS	CS-2 @ 3	111	98										
890-1619-1 MSD	CS-2 @ 3	110	95										
890-1619-2	CS-4 @ 3	110	107										
890-1619-3	CS-5 @3	115	112										
890-1619-4	CS-6 @3	117	115										
890-1619-5	CS-7 @3	103	104										
890-1619-6	CS-8 @3	106	107										
890-1619-7	CS-9 @3	108	110										
890-1619-8	CS-10 @ 3	100	98										
890-1619-9	CS-11 @3	110	109										
890-1619-10	CS-12 @3	120	123										
890-1619-11	CS-13 @3	106	108										
890-1619-12	CS-14 @3	119	120										
890-1619-13	CS-SW-1 @ 1.5	106	107										
890-1619-14	CS-SW -2 @ 1.5	101	100										
890-1619-15	CS-SW -3 @ 1.5	103	103										
890-1619-16	CS-SW-4 @ 1.5	113	117										
890-1619-17	CS-SW-5 @1.5	122	125										
890-1619-18	CS-SW-6 @1.5	96	98										
890-1619-19	CS-SW-7 @1.5	106	109										
890-1619-20	CS-SW-8 @ 1.5	89	91										
890-1619-21	CS-SW-9 @ 1.5	115	129										
890-1619-22	CS-SW-10 @ 1.5	114	129										
890-1619-23	DUPLICATE-1	91	104										
890-1619-24	DUPLICATE-2	112	126										
890-1619-25	DUPLICATE -3	113	127										
LCS 880-13223/2-A	Lab Control Sample	117	128										
LCS 880-13224/2-A	Lab Control Sample	279 S1+	266 S1+										
LCSD 880-13223/3-A	Lab Control Sample Dup	110	122										
LCSD 880-13224/3-A	Lab Control Sample Dup	283 S1+	271 S1+										
MB 880-13223/1-A	Method Blank	151 S1+	169 S1+										
MB 880-13224/1-A	Method Blank	143 S1+	141 S1+										

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-12798/5-A
Matrix: Solid
Analysis Batch: 12991

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12798

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 08:15	11/23/21 11:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 08:15	11/23/21 11:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 08:15	11/23/21 11:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/23/21 08:15	11/23/21 11:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 08:15	11/23/21 11:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/23/21 08:15	11/23/21 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*11/23/21 08:15*	*11/23/21 11:26*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/23/21 08:15*	*11/23/21 11:26*	*1*

Lab Sample ID: MB 880-13013/5-A
Matrix: Solid
Analysis Batch: 12991

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13013

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/23/21 22:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/23/21 22:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/23/21 22:18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/23/21 09:11	11/23/21 22:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 09:11	11/23/21 22:18	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/23/21 09:11	11/23/21 22:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*11/23/21 09:11*	*11/23/21 22:18*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*11/23/21 09:11*	*11/23/21 22:18*	*1*

Lab Sample ID: LCS 880-13013/1-A
Matrix: Solid
Analysis Batch: 12991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13013

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08986		mg/Kg		90	70 - 130		
Toluene			0.100	0.08664		mg/Kg		87	70 - 130		
Ethylbenzene			0.100	0.08602		mg/Kg		86	70 - 130		
m-Xylene & p-Xylene			0.200	0.1846		mg/Kg		92	70 - 130		
o-Xylene			0.100	0.09000		mg/Kg		90	70 - 130		

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

Lab Sample ID: LCSD 880-13013/2-A
Matrix: Solid
Analysis Batch: 12991

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13013

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08835		mg/Kg		88	70 - 130	2	35

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

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

Lab Sample ID: LCSD 880-13013/2-A
Matrix: Solid
Analysis Batch: 12991

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13013

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			0.100	0.08813		mg/Kg		88	70 - 130	2	35
Ethylbenzene			0.100	0.08498		mg/Kg		85	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.1880		mg/Kg		94	70 - 130	2	35
o-Xylene			0.100	0.09345		mg/Kg		93	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-1619-1 MS
Matrix: Solid
Analysis Batch: 12991

Client Sample ID: CS-2 @ 3
Prep Type: Total/NA
Prep Batch: 13013

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U F1	0.0998	0.06499	F1	mg/Kg		65	70 - 130
Toluene	<0.00199	U F1	0.0998	0.06824	F1	mg/Kg		68	70 - 130
Ethylbenzene	<0.00199	U F1	0.0998	0.06821	F1	mg/Kg		68	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1469		mg/Kg		73	70 - 130
o-Xylene	<0.00199	U F1	0.0998	0.06879	F1	mg/Kg		68	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-1619-1 MSD
Matrix: Solid
Analysis Batch: 12991

Client Sample ID: CS-2 @ 3
Prep Type: Total/NA
Prep Batch: 13013

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.06892	F1	mg/Kg		68	70 - 130	6	35
Toluene	<0.00199	U F1	0.100	0.06842	F1	mg/Kg		68	70 - 130	0	35
Ethylbenzene	<0.00199	U F1	0.100	0.07059		mg/Kg		71	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1505		mg/Kg		75	70 - 130	2	35
o-Xylene	<0.00199	U F1	0.100	0.07427		mg/Kg		73	70 - 130	8	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-13016/5-A
Matrix: Solid
Analysis Batch: 13108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 10:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 10:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 10:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/23/21 16:45	11/24/21 10:46	1

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

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

Lab Sample ID: MB 880-13016/5-A
Matrix: Solid
Analysis Batch: 13108

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13016

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/23/21 16:45	11/24/21 10:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/23/21 16:45	11/24/21 10:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*11/23/21 16:45*	*11/24/21 10:46*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/23/21 16:45*	*11/24/21 10:46*	*1*

Lab Sample ID: LCS 880-13016/1-A
Matrix: Solid
Analysis Batch: 13108

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13016

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09040		mg/Kg		90	70 - 130		
Toluene			0.100	0.08336		mg/Kg		83	70 - 130		
Ethylbenzene			0.100	0.08400		mg/Kg		84	70 - 130		
m-Xylene & p-Xylene			0.200	0.1755		mg/Kg		88	70 - 130		
o-Xylene			0.100	0.08709		mg/Kg		87	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 880-13016/2-A
Matrix: Solid
Analysis Batch: 13108

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13016

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08879		mg/Kg		89	70 - 130	2	35
Toluene			0.100	0.08362		mg/Kg		84	70 - 130	0	35
Ethylbenzene			0.100	0.08377		mg/Kg		84	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.1743		mg/Kg		87	70 - 130	1	35
o-Xylene			0.100	0.08797		mg/Kg		88	70 - 130	1	35

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

Lab Sample ID: 890-1619-21 MS
Matrix: Solid
Analysis Batch: 13108

Client Sample ID: CS-SW-9 @ 1.5
Prep Type: Total/NA
Prep Batch: 13016

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U	0.0998	0.09349		mg/Kg		94	70 - 130		
Toluene	<0.00199	U	0.0998	0.08636		mg/Kg		86	70 - 130		
Ethylbenzene	<0.00199	U	0.0998	0.08643		mg/Kg		87	70 - 130		
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1818		mg/Kg		91	70 - 130		
o-Xylene	<0.00199	U	0.0998	0.09019		mg/Kg		90	70 - 130		

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

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

Lab Sample ID: 890-1619-21 MS
Matrix: Solid
Analysis Batch: 13108

Client Sample ID: CS-SW-9 @ 1.5
Prep Type: Total/NA
Prep Batch: 13016

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: 890-1619-21 MSD
Matrix: Solid
Analysis Batch: 13108

Client Sample ID: CS-SW-9 @ 1.5
Prep Type: Total/NA
Prep Batch: 13016

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.08556		mg/Kg		86	70 - 130	9	35
Toluene	<0.00199	U	0.0996	0.07906		mg/Kg		79	70 - 130	9	35
Ethylbenzene	<0.00199	U	0.0996	0.08020		mg/Kg		81	70 - 130	7	35
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1678		mg/Kg		84	70 - 130	8	35
o-Xylene	<0.00199	U	0.0996	0.08340		mg/Kg		83	70 - 130	8	35

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

Lab Sample ID: MB 880-13186/5-A
Matrix: Water
Analysis Batch: 13293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13186

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		11/29/21 16:00	11/30/21 02:53	1
Toluene	<0.00200	U	0.00200		mg/L		11/29/21 16:00	11/30/21 02:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		11/29/21 16:00	11/30/21 02:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L		11/29/21 16:00	11/30/21 02:53	1
o-Xylene	<0.00200	U	0.00200		mg/L		11/29/21 16:00	11/30/21 02:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/L		11/29/21 16:00	11/30/21 02:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	11/29/21 16:00	11/30/21 02:53	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/29/21 16:00	11/30/21 02:53	1

Lab Sample ID: MB 880-13293/70
Matrix: Water
Analysis Batch: 13293

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			11/30/21 18:13	1
Toluene	<0.00200	U	0.00200		mg/L			11/30/21 18:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			11/30/21 18:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			11/30/21 18:13	1
o-Xylene	<0.00200	U	0.00200		mg/L			11/30/21 18:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			11/30/21 18:13	1

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

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

Lab Sample ID: MB 880-13293/70
Matrix: Water
Analysis Batch: 13293

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130		11/30/21 18:13	1
1,4-Difluorobenzene (Surr)	98		70 - 130		11/30/21 18:13	1

Lab Sample ID: LCS 880-13293/65
Matrix: Water
Analysis Batch: 13293

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1073		mg/L		107	70 - 130		
Toluene			0.100	0.1256		mg/L		126	70 - 130		
Ethylbenzene			0.100	0.1140		mg/L		114	70 - 130		
m-Xylene & p-Xylene			0.200	0.2547		mg/L		127	70 - 130		
o-Xylene			0.100	0.1151		mg/L		115	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-13293/66
Matrix: Water
Analysis Batch: 13293

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			0.100	0.1010		mg/L		101	70 - 130	6	20
Toluene			0.100	0.1215		mg/L		122	70 - 130	3	20
Ethylbenzene			0.100	0.1095		mg/L		109	70 - 130	4	20
m-Xylene & p-Xylene			0.200	0.2427		mg/L		121	70 - 130	5	20
o-Xylene			0.100	0.1105		mg/L		111	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 880-8494-A-7 MS
Matrix: Water
Analysis Batch: 13293

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.100	0.1041		mg/L		104	70 - 130		
Toluene	<0.00200	U	0.100	0.1060		mg/L		106	70 - 130		
Ethylbenzene	<0.00200	U	0.100	0.09507		mg/L		95	70 - 130		
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2032		mg/L		102	70 - 130		
o-Xylene	<0.00200	U	0.100	0.1050		mg/L		105	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	127		70 - 130
1,4-Difluorobenzene (Surr)	118		70 - 130

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

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

Lab Sample ID: 880-8494-A-7 MSD
Matrix: Water
Analysis Batch: 13293

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1038		mg/L		104	70 - 130	0	25
Toluene	<0.00200	U	0.100	0.1053		mg/L		105	70 - 130	1	25
Ethylbenzene	<0.00200	U	0.100	0.1026		mg/L		103	70 - 130	8	25
m-Xylene & p-Xylene	<0.00400	U	0.200	0.2215		mg/L		111	70 - 130	9	25
o-Xylene	<0.00200	U	0.100	0.1111		mg/L		111	70 - 130	6	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

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

Lab Sample ID: MB 880-13223/1-A
Matrix: Solid
Analysis Batch: 13220

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13223

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		11/24/21 12:36	11/24/21 23:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/24/21 12:36	11/24/21 23:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/24/21 12:36	11/24/21 23:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*151*	*S1+*	*70 - 130*	*11/24/21 12:36*	*11/24/21 23:28*	*1*
o-Terphenyl	*169*	*S1+*	*70 - 130*	*11/24/21 12:36*	*11/24/21 23:28*	*1*

Lab Sample ID: LCS 880-13223/2-A
Matrix: Solid
Analysis Batch: 13220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13223

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	923.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1252		mg/Kg		125	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*128*		*70 - 130*

Lab Sample ID: LCSD 880-13223/3-A
Matrix: Solid
Analysis Batch: 13220

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13223

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	870.1		mg/Kg		87	70 - 130	6	20

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

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

Lab Sample ID: LCSD 880-13223/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13220 — **Prep Batch: 13223**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (Over C10-C28)			1000	1240		mg/Kg		124	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*122*		*70 - 130*

Lab Sample ID: 890-1613-A-1-F MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13220 — **Prep Batch: 13223**

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	997	1197		mg/Kg		120	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1168		mg/Kg		117	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: 890-1613-A-1-G MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13220 — **Prep Batch: 13223**

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	1217		mg/Kg		122	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1172		mg/Kg		117	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: MB 880-13224/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 13221 — **Prep Batch: 13224**

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		11/24/21 13:43	11/24/21 23:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/24/21 23:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/24/21 13:43	11/24/21 23:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*143*	*S1+*	*70 - 130*	*11/24/21 13:43*	*11/24/21 23:28*	*1*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*11/24/21 13:43*	*11/24/21 23:28*	*1*

Eurofins Xenco, Carlsbad

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

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

Lab Sample ID: LCS 880-13224/2-A
Matrix: Solid
Analysis Batch: 13221

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13224

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	973.3		mg/Kg		97	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	811.3		mg/Kg		81	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*279*	*S1+*	*70 - 130*
o-Terphenyl	*266*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-13224/3-A
Matrix: Solid
Analysis Batch: 13221

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13224

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	944.3		mg/Kg		94	70 - 130	3	20
Diesel Range Organics (Over C10-C28)			1000	847.5		mg/Kg		85	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*283*	*S1+*	*70 - 130*
o-Terphenyl	*271*	*S1+*	*70 - 130*

Lab Sample ID: 890-1619-1 MS
Matrix: Solid
Analysis Batch: 13221

Client Sample ID: CS-2 @ 3
Prep Type: Total/NA
Prep Batch: 13224

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	997	1265		mg/Kg		123	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1234		mg/Kg		121	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*111*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: 890-1619-1 MSD
Matrix: Solid
Analysis Batch: 13221

Client Sample ID: CS-2 @ 3
Prep Type: Total/NA
Prep Batch: 13224

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	1271		mg/Kg		123	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1220		mg/Kg		119	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

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

Lab Sample ID: 890-1619-1 MSD
Matrix: Solid
Analysis Batch: 13221

Client Sample ID: CS-2 @ 3
Prep Type: Total/NA
Prep Batch: 13224

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	95		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-13083/1-A
Matrix: Solid
Analysis Batch: 13163

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/24/21 00:13	1

Lab Sample ID: LCS 880-13083/2-A
Matrix: Solid
Analysis Batch: 13163

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	259.0		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-13083/3-A
Matrix: Solid
Analysis Batch: 13163

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	259.0		mg/Kg		104	90 - 110	0	20

Lab Sample ID: 890-1619-22 MS
Matrix: Solid
Analysis Batch: 13163

Client Sample ID: CS-SW-10 @ 1.5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	314		1260	1594		mg/Kg		102	90 - 110		

Lab Sample ID: 890-1619-22 MSD
Matrix: Solid
Analysis Batch: 13163

Client Sample ID: CS-SW-10 @ 1.5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	314		1260	1601		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-13103/1-A
Matrix: Solid
Analysis Batch: 13194

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/24/21 12:06	1

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-13103/2-A
Matrix: Solid
Analysis Batch: 13194

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	266.3		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-13103/3-A
Matrix: Solid
Analysis Batch: 13194

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	266.7		mg/Kg		107	90 - 110	0	20

Lab Sample ID: 890-1619-1 MS
Matrix: Solid
Analysis Batch: 13194

Client Sample ID: CS-2 @ 3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	152		248	401.2		mg/Kg		100	90 - 110		

Lab Sample ID: 890-1619-1 MSD
Matrix: Solid
Analysis Batch: 13194

Client Sample ID: CS-2 @ 3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	152		248	401.3		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-1619-11 MS
Matrix: Solid
Analysis Batch: 13194

Client Sample ID: CS-13 @3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	148		250	399.5		mg/Kg		101	90 - 110		

Lab Sample ID: 890-1619-11 MSD
Matrix: Solid
Analysis Batch: 13194

Client Sample ID: CS-13 @3
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	148		250	399.5		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

GC VOA

Prep Batch: 12798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-12798/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 12945

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-1	CS-2 @ 3	Total/NA	Solid	Total BTEX	
890-1619-2	CS-4 @ 3	Total/NA	Solid	Total BTEX	
890-1619-3	CS-5 @3	Total/NA	Solid	Total BTEX	
890-1619-4	CS-6 @3	Total/NA	Solid	Total BTEX	
890-1619-5	CS-7 @3	Total/NA	Solid	Total BTEX	
890-1619-6	CS-8 @3	Total/NA	Solid	Total BTEX	
890-1619-7	CS-9 @3	Total/NA	Solid	Total BTEX	
890-1619-8	CS-10 @ 3	Total/NA	Solid	Total BTEX	
890-1619-9	CS-11 @3	Total/NA	Solid	Total BTEX	
890-1619-10	CS-12 @3	Total/NA	Solid	Total BTEX	
890-1619-11	CS-13 @3	Total/NA	Solid	Total BTEX	
890-1619-12	CS-14 @3	Total/NA	Solid	Total BTEX	
890-1619-13	CS-SW-1 @ 1.5	Total/NA	Solid	Total BTEX	
890-1619-14	CS-SW -2 @ 1.5	Total/NA	Solid	Total BTEX	
890-1619-15	CS-SW -3 @ 1.5	Total/NA	Solid	Total BTEX	
890-1619-16	CS-SW-4 @ 1.5	Total/NA	Solid	Total BTEX	
890-1619-17	CS-SW-5 @1.5	Total/NA	Solid	Total BTEX	
890-1619-18	CS-SW-6 @1.5	Total/NA	Solid	Total BTEX	
890-1619-19	CS-SW-7 @1.5	Total/NA	Solid	Total BTEX	
890-1619-20	CS-SW-8 @ 1.5	Total/NA	Solid	Total BTEX	
890-1619-21	CS-SW-9 @ 1.5	Total/NA	Solid	Total BTEX	
890-1619-22	CS-SW-10 @ 1.5	Total/NA	Solid	Total BTEX	
890-1619-23	DUPLICATE-1	Total/NA	Solid	Total BTEX	
890-1619-24	DUPLICATE-2	Total/NA	Solid	Total BTEX	
890-1619-25	DUPLICATE -3	Total/NA	Solid	Total BTEX	
890-1619-26	TB-11-22-21	Total/NA	Water	Total BTEX	

Analysis Batch: 12991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-1	CS-2 @ 3	Total/NA	Solid	8021B	13013
890-1619-2	CS-4 @ 3	Total/NA	Solid	8021B	13013
890-1619-3	CS-5 @3	Total/NA	Solid	8021B	13013
890-1619-4	CS-6 @3	Total/NA	Solid	8021B	13013
890-1619-5	CS-7 @3	Total/NA	Solid	8021B	13013
890-1619-6	CS-8 @3	Total/NA	Solid	8021B	13013
890-1619-7	CS-9 @3	Total/NA	Solid	8021B	13013
890-1619-8	CS-10 @ 3	Total/NA	Solid	8021B	13013
890-1619-9	CS-11 @3	Total/NA	Solid	8021B	13013
890-1619-10	CS-12 @3	Total/NA	Solid	8021B	13013
890-1619-11	CS-13 @3	Total/NA	Solid	8021B	13013
890-1619-12	CS-14 @3	Total/NA	Solid	8021B	13013
890-1619-13	CS-SW-1 @ 1.5	Total/NA	Solid	8021B	13013
890-1619-14	CS-SW -2 @ 1.5	Total/NA	Solid	8021B	13013
890-1619-15	CS-SW -3 @ 1.5	Total/NA	Solid	8021B	13013
890-1619-16	CS-SW-4 @ 1.5	Total/NA	Solid	8021B	13013
890-1619-17	CS-SW-5 @1.5	Total/NA	Solid	8021B	13013
890-1619-18	CS-SW-6 @1.5	Total/NA	Solid	8021B	13013

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

GC VOA (Continued)

Analysis Batch: 12991 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-19	CS-SW-7 @1.5	Total/NA	Solid	8021B	13013
890-1619-20	CS-SW-8 @ 1.5	Total/NA	Solid	8021B	13013
MB 880-12798/5-A	Method Blank	Total/NA	Solid	8021B	12798
MB 880-13013/5-A	Method Blank	Total/NA	Solid	8021B	13013
LCS 880-13013/1-A	Lab Control Sample	Total/NA	Solid	8021B	13013
LCSD 880-13013/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13013
890-1619-1 MS	CS-2 @ 3	Total/NA	Solid	8021B	13013
890-1619-1 MSD	CS-2 @ 3	Total/NA	Solid	8021B	13013

Prep Batch: 13013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-1	CS-2 @ 3	Total/NA	Solid	5035	
890-1619-2	CS-4 @ 3	Total/NA	Solid	5035	
890-1619-3	CS-5 @3	Total/NA	Solid	5035	
890-1619-4	CS-6 @3	Total/NA	Solid	5035	
890-1619-5	CS-7 @3	Total/NA	Solid	5035	
890-1619-6	CS-8 @3	Total/NA	Solid	5035	
890-1619-7	CS-9 @3	Total/NA	Solid	5035	
890-1619-8	CS-10 @ 3	Total/NA	Solid	5035	
890-1619-9	CS-11 @3	Total/NA	Solid	5035	
890-1619-10	CS-12 @3	Total/NA	Solid	5035	
890-1619-11	CS-13 @3	Total/NA	Solid	5035	
890-1619-12	CS-14 @3	Total/NA	Solid	5035	
890-1619-13	CS-SW-1 @ 1.5	Total/NA	Solid	5035	
890-1619-14	CS-SW -2 @ 1.5	Total/NA	Solid	5035	
890-1619-15	CS-SW -3 @ 1.5	Total/NA	Solid	5035	
890-1619-16	CS-SW-4 @ 1.5	Total/NA	Solid	5035	
890-1619-17	CS-SW-5 @1.5	Total/NA	Solid	5035	
890-1619-18	CS-SW-6 @1.5	Total/NA	Solid	5035	
890-1619-19	CS-SW-7 @1.5	Total/NA	Solid	5035	
890-1619-20	CS-SW-8 @ 1.5	Total/NA	Solid	5035	
MB 880-13013/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13013/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13013/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1619-1 MS	CS-2 @ 3	Total/NA	Solid	5035	
890-1619-1 MSD	CS-2 @ 3	Total/NA	Solid	5035	

Prep Batch: 13016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-21	CS-SW-9 @ 1.5	Total/NA	Solid	5035	
890-1619-22	CS-SW-10 @ 1.5	Total/NA	Solid	5035	
890-1619-23	DUPLICATE-1	Total/NA	Solid	5035	
890-1619-24	DUPLICATE-2	Total/NA	Solid	5035	
890-1619-25	DUPLICATE -3	Total/NA	Solid	5035	
MB 880-13016/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13016/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13016/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1619-21 MS	CS-SW-9 @ 1.5	Total/NA	Solid	5035	
890-1619-21 MSD	CS-SW-9 @ 1.5	Total/NA	Solid	5035	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

GC VOA

Analysis Batch: 13108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-21	CS-SW-9 @ 1.5	Total/NA	Solid	8021B	13016
890-1619-22	CS-SW-10 @ 1.5	Total/NA	Solid	8021B	13016
890-1619-23	DUPLICATE-1	Total/NA	Solid	8021B	13016
890-1619-24	DUPLICATE-2	Total/NA	Solid	8021B	13016
890-1619-25	DUPLICATE -3	Total/NA	Solid	8021B	13016
MB 880-13016/5-A	Method Blank	Total/NA	Solid	8021B	13016
LCS 880-13016/1-A	Lab Control Sample	Total/NA	Solid	8021B	13016
LCSD 880-13016/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13016
890-1619-21 MS	CS-SW-9 @ 1.5	Total/NA	Solid	8021B	13016
890-1619-21 MSD	CS-SW-9 @ 1.5	Total/NA	Solid	8021B	13016

Prep Batch: 13186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-13186/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 13293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-26	TB-11-22-21	Total/NA	Water	8021B	
MB 880-13186/5-A	Method Blank	Total/NA	Water	8021B	13186
MB 880-13293/70	Method Blank	Total/NA	Water	8021B	
LCS 880-13293/65	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-13293/66	Lab Control Sample Dup	Total/NA	Water	8021B	
880-8494-A-7 MS	Matrix Spike	Total/NA	Water	8021B	
880-8494-A-7 MSD	Matrix Spike Duplicate	Total/NA	Water	8021B	

GC Semi VOA

Analysis Batch: 12781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-1	CS-2 @ 3	Total/NA	Solid	8015 NM	
890-1619-2	CS-4 @ 3	Total/NA	Solid	8015 NM	
890-1619-3	CS-5 @3	Total/NA	Solid	8015 NM	
890-1619-4	CS-6 @3	Total/NA	Solid	8015 NM	
890-1619-5	CS-7 @3	Total/NA	Solid	8015 NM	
890-1619-6	CS-8 @3	Total/NA	Solid	8015 NM	
890-1619-7	CS-9 @3	Total/NA	Solid	8015 NM	
890-1619-8	CS-10 @ 3	Total/NA	Solid	8015 NM	
890-1619-9	CS-11 @3	Total/NA	Solid	8015 NM	
890-1619-10	CS-12 @3	Total/NA	Solid	8015 NM	
890-1619-11	CS-13 @3	Total/NA	Solid	8015 NM	
890-1619-12	CS-14 @3	Total/NA	Solid	8015 NM	
890-1619-13	CS-SW-1 @ 1.5	Total/NA	Solid	8015 NM	
890-1619-14	CS-SW -2 @ 1.5	Total/NA	Solid	8015 NM	
890-1619-15	CS-SW -3 @ 1.5	Total/NA	Solid	8015 NM	
890-1619-16	CS-SW-4 @ 1.5	Total/NA	Solid	8015 NM	
890-1619-17	CS-SW-5 @1.5	Total/NA	Solid	8015 NM	
890-1619-18	CS-SW-6 @1.5	Total/NA	Solid	8015 NM	
890-1619-19	CS-SW-7 @1.5	Total/NA	Solid	8015 NM	
890-1619-20	CS-SW-8 @ 1.5	Total/NA	Solid	8015 NM	
890-1619-21	CS-SW-9 @ 1.5	Total/NA	Solid	8015 NM	
890-1619-22	CS-SW-10 @ 1.5	Total/NA	Solid	8015 NM	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

GC Semi VOA (Continued)

Analysis Batch: 12781 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-23	DUPLICATE-1	Total/NA	Solid	8015 NM	
890-1619-24	DUPLICATE-2	Total/NA	Solid	8015 NM	
890-1619-25	DUPLICATE -3	Total/NA	Solid	8015 NM	

Analysis Batch: 13220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-21	CS-SW-9 @ 1.5	Total/NA	Solid	8015B NM	13223
890-1619-22	CS-SW-10 @ 1.5	Total/NA	Solid	8015B NM	13223
890-1619-23	DUPLICATE-1	Total/NA	Solid	8015B NM	13223
890-1619-24	DUPLICATE-2	Total/NA	Solid	8015B NM	13223
890-1619-25	DUPLICATE -3	Total/NA	Solid	8015B NM	13223
MB 880-13223/1-A	Method Blank	Total/NA	Solid	8015B NM	13223
LCS 880-13223/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13223
LCSD 880-13223/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13223
890-1613-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	13223
890-1613-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	13223

Analysis Batch: 13221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-1	CS-2 @ 3	Total/NA	Solid	8015B NM	13224
890-1619-2	CS-4 @ 3	Total/NA	Solid	8015B NM	13224
890-1619-3	CS-5 @3	Total/NA	Solid	8015B NM	13224
890-1619-4	CS-6 @3	Total/NA	Solid	8015B NM	13224
890-1619-5	CS-7 @3	Total/NA	Solid	8015B NM	13224
890-1619-6	CS-8 @3	Total/NA	Solid	8015B NM	13224
890-1619-7	CS-9 @3	Total/NA	Solid	8015B NM	13224
890-1619-8	CS-10 @ 3	Total/NA	Solid	8015B NM	13224
890-1619-9	CS-11 @3	Total/NA	Solid	8015B NM	13224
890-1619-10	CS-12 @3	Total/NA	Solid	8015B NM	13224
890-1619-11	CS-13 @3	Total/NA	Solid	8015B NM	13224
890-1619-12	CS-14 @3	Total/NA	Solid	8015B NM	13224
890-1619-13	CS-SW-1 @ 1.5	Total/NA	Solid	8015B NM	13224
890-1619-14	CS-SW -2 @ 1.5	Total/NA	Solid	8015B NM	13224
890-1619-15	CS-SW -3 @ 1.5	Total/NA	Solid	8015B NM	13224
890-1619-16	CS-SW-4 @ 1.5	Total/NA	Solid	8015B NM	13224
890-1619-17	CS-SW-5 @1.5	Total/NA	Solid	8015B NM	13224
890-1619-18	CS-SW-6 @1.5	Total/NA	Solid	8015B NM	13224
890-1619-19	CS-SW-7 @1.5	Total/NA	Solid	8015B NM	13224
890-1619-20	CS-SW-8 @ 1.5	Total/NA	Solid	8015B NM	13224
MB 880-13224/1-A	Method Blank	Total/NA	Solid	8015B NM	13224
LCS 880-13224/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13224
LCSD 880-13224/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13224
890-1619-1 MS	CS-2 @ 3	Total/NA	Solid	8015B NM	13224
890-1619-1 MSD	CS-2 @ 3	Total/NA	Solid	8015B NM	13224

Prep Batch: 13223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-21	CS-SW-9 @ 1.5	Total/NA	Solid	8015NM Prep	
890-1619-22	CS-SW-10 @ 1.5	Total/NA	Solid	8015NM Prep	
890-1619-23	DUPLICATE-1	Total/NA	Solid	8015NM Prep	
890-1619-24	DUPLICATE-2	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

GC Semi VOA (Continued)

Prep Batch: 13223 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-25	DUPLICATE -3	Total/NA	Solid	8015NM Prep	
MB 880-13223/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13223/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13223/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1613-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1613-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 13224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-1	CS-2 @ 3	Total/NA	Solid	8015NM Prep	
890-1619-2	CS-4 @ 3	Total/NA	Solid	8015NM Prep	
890-1619-3	CS-5 @3	Total/NA	Solid	8015NM Prep	
890-1619-4	CS-6 @3	Total/NA	Solid	8015NM Prep	
890-1619-5	CS-7 @3	Total/NA	Solid	8015NM Prep	
890-1619-6	CS-8 @3	Total/NA	Solid	8015NM Prep	
890-1619-7	CS-9 @3	Total/NA	Solid	8015NM Prep	
890-1619-8	CS-10 @ 3	Total/NA	Solid	8015NM Prep	
890-1619-9	CS-11 @3	Total/NA	Solid	8015NM Prep	
890-1619-10	CS-12 @3	Total/NA	Solid	8015NM Prep	
890-1619-11	CS-13 @3	Total/NA	Solid	8015NM Prep	
890-1619-12	CS-14 @3	Total/NA	Solid	8015NM Prep	
890-1619-13	CS-SW-1 @ 1.5	Total/NA	Solid	8015NM Prep	
890-1619-14	CS-SW -2 @ 1.5	Total/NA	Solid	8015NM Prep	
890-1619-15	CS-SW -3 @ 1.5	Total/NA	Solid	8015NM Prep	
890-1619-16	CS-SW-4 @ 1.5	Total/NA	Solid	8015NM Prep	
890-1619-17	CS-SW-5 @1.5	Total/NA	Solid	8015NM Prep	
890-1619-18	CS-SW-6 @1.5	Total/NA	Solid	8015NM Prep	
890-1619-19	CS-SW-7 @1.5	Total/NA	Solid	8015NM Prep	
890-1619-20	CS-SW-8 @ 1.5	Total/NA	Solid	8015NM Prep	
MB 880-13224/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13224/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13224/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1619-1 MS	CS-2 @ 3	Total/NA	Solid	8015NM Prep	
890-1619-1 MSD	CS-2 @ 3	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 13083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-21	CS-SW-9 @ 1.5	Soluble	Solid	DI Leach	
890-1619-22	CS-SW-10 @ 1.5	Soluble	Solid	DI Leach	
890-1619-23	DUPLICATE-1	Soluble	Solid	DI Leach	
890-1619-24	DUPLICATE-2	Soluble	Solid	DI Leach	
890-1619-25	DUPLICATE -3	Soluble	Solid	DI Leach	
MB 880-13083/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-13083/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-13083/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1619-22 MS	CS-SW-10 @ 1.5	Soluble	Solid	DI Leach	
890-1619-22 MSD	CS-SW-10 @ 1.5	Soluble	Solid	DI Leach	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

HPLC/IC

Leach Batch: 13103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-1	CS-2 @ 3	Soluble	Solid	DI Leach	
890-1619-2	CS-4 @ 3	Soluble	Solid	DI Leach	
890-1619-3	CS-5 @3	Soluble	Solid	DI Leach	
890-1619-4	CS-6 @3	Soluble	Solid	DI Leach	
890-1619-5	CS-7 @3	Soluble	Solid	DI Leach	
890-1619-6	CS-8 @3	Soluble	Solid	DI Leach	
890-1619-7	CS-9 @3	Soluble	Solid	DI Leach	
890-1619-8	CS-10 @ 3	Soluble	Solid	DI Leach	
890-1619-9	CS-11 @3	Soluble	Solid	DI Leach	
890-1619-10	CS-12 @3	Soluble	Solid	DI Leach	
890-1619-11	CS-13 @3	Soluble	Solid	DI Leach	
890-1619-12	CS-14 @3	Soluble	Solid	DI Leach	
890-1619-13	CS-SW-1 @ 1.5	Soluble	Solid	DI Leach	
890-1619-14	CS-SW -2 @ 1.5	Soluble	Solid	DI Leach	
890-1619-15	CS-SW -3 @ 1.5	Soluble	Solid	DI Leach	
890-1619-16	CS-SW-4 @ 1.5	Soluble	Solid	DI Leach	
890-1619-17	CS-SW-5 @1.5	Soluble	Solid	DI Leach	
890-1619-18	CS-SW-6 @1.5	Soluble	Solid	DI Leach	
890-1619-19	CS-SW-7 @1.5	Soluble	Solid	DI Leach	
890-1619-20	CS-SW-8 @ 1.5	Soluble	Solid	DI Leach	
MB 880-13103/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-13103/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-13103/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1619-1 MS	CS-2 @ 3	Soluble	Solid	DI Leach	
890-1619-1 MSD	CS-2 @ 3	Soluble	Solid	DI Leach	
890-1619-11 MS	CS-13 @3	Soluble	Solid	DI Leach	
890-1619-11 MSD	CS-13 @3	Soluble	Solid	DI Leach	

Analysis Batch: 13163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-21	CS-SW-9 @ 1.5	Soluble	Solid	300.0	13083
890-1619-22	CS-SW-10 @ 1.5	Soluble	Solid	300.0	13083
890-1619-23	DUPLICATE-1	Soluble	Solid	300.0	13083
890-1619-24	DUPLICATE-2	Soluble	Solid	300.0	13083
890-1619-25	DUPLICATE -3	Soluble	Solid	300.0	13083
MB 880-13083/1-A	Method Blank	Soluble	Solid	300.0	13083
LCS 880-13083/2-A	Lab Control Sample	Soluble	Solid	300.0	13083
LCSD 880-13083/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	13083
890-1619-22 MS	CS-SW-10 @ 1.5	Soluble	Solid	300.0	13083
890-1619-22 MSD	CS-SW-10 @ 1.5	Soluble	Solid	300.0	13083

Analysis Batch: 13194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-1	CS-2 @ 3	Soluble	Solid	300.0	13103
890-1619-2	CS-4 @ 3	Soluble	Solid	300.0	13103
890-1619-3	CS-5 @3	Soluble	Solid	300.0	13103
890-1619-4	CS-6 @3	Soluble	Solid	300.0	13103
890-1619-5	CS-7 @3	Soluble	Solid	300.0	13103
890-1619-6	CS-8 @3	Soluble	Solid	300.0	13103
890-1619-7	CS-9 @3	Soluble	Solid	300.0	13103
890-1619-8	CS-10 @ 3	Soluble	Solid	300.0	13103

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

HPLC/IC (Continued)

Analysis Batch: 13194 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1619-9	CS-11 @3	Soluble	Solid	300.0	13103
890-1619-10	CS-12 @3	Soluble	Solid	300.0	13103
890-1619-11	CS-13 @3	Soluble	Solid	300.0	13103
890-1619-12	CS-14 @3	Soluble	Solid	300.0	13103
890-1619-13	CS-SW-1 @ 1.5	Soluble	Solid	300.0	13103
890-1619-14	CS-SW -2 @ 1.5	Soluble	Solid	300.0	13103
890-1619-15	CS-SW -3 @ 1.5	Soluble	Solid	300.0	13103
890-1619-16	CS-SW-4 @ 1.5	Soluble	Solid	300.0	13103
890-1619-17	CS-SW-5 @1.5	Soluble	Solid	300.0	13103
890-1619-18	CS-SW-6 @1.5	Soluble	Solid	300.0	13103
890-1619-19	CS-SW-7 @1.5	Soluble	Solid	300.0	13103
890-1619-20	CS-SW-8 @ 1.5	Soluble	Solid	300.0	13103
MB 880-13103/1-A	Method Blank	Soluble	Solid	300.0	13103
LCS 880-13103/2-A	Lab Control Sample	Soluble	Solid	300.0	13103
LCSD 880-13103/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	13103
890-1619-1 MS	CS-2 @ 3	Soluble	Solid	300.0	13103
890-1619-1 MSD	CS-2 @ 3	Soluble	Solid	300.0	13103
890-1619-11 MS	CS-13 @3	Soluble	Solid	300.0	13103
890-1619-11 MSD	CS-13 @3	Soluble	Solid	300.0	13103

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-2 @ 3

Lab Sample ID: 890-1619-1
Matrix: Solid
Date Collected: 11/22/21 09:00
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/23/21 22:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 00:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 12:28	SC	XEN MID

Client Sample ID: CS-4 @ 3

Lab Sample ID: 890-1619-2
Matrix: Solid
Date Collected: 11/22/21 09:05
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/23/21 23:00	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 01:39	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 12:50	SC	XEN MID

Client Sample ID: CS-5 @3

Lab Sample ID: 890-1619-3
Matrix: Solid
Date Collected: 11/22/21 09:10
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/23/21 23:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 02:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 12:58	SC	XEN MID

Client Sample ID: CS-6 @3

Lab Sample ID: 890-1619-4
Matrix: Solid
Date Collected: 11/22/21 09:15
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/23/21 23:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID

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Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-6 @3

Lab Sample ID: 890-1619-4
Matrix: Solid
Date Collected: 11/22/21 09:15
Date Received: 11/22/21 16:54

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			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 02:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 13:05	SC	XEN MID

Client Sample ID: CS-7 @3

Lab Sample ID: 890-1619-5
Matrix: Solid
Date Collected: 11/22/21 09:20
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 00:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 02:45	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 13:12	SC	XEN MID

Client Sample ID: CS-8 @3

Lab Sample ID: 890-1619-6
Matrix: Solid
Date Collected: 11/22/21 09:25
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 00:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 03:07	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 13:35	SC	XEN MID

Client Sample ID: CS-9 @3

Lab Sample ID: 890-1619-7
Matrix: Solid
Date Collected: 11/22/21 09:30
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 00:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 03:29	AJ	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-9 @3

Lab Sample ID: 890-1619-7
Matrix: Solid
Date Collected: 11/22/21 09:30
Date Received: 11/22/21 16:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 13:42	SC	XEN MID

Client Sample ID: CS-10 @ 3

Lab Sample ID: 890-1619-8
Matrix: Solid
Date Collected: 11/22/21 09:35
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 01:02	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/23/21 08:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 03:51	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 13:49	SC	XEN MID

Client Sample ID: CS-11 @3

Lab Sample ID: 890-1619-9
Matrix: Solid
Date Collected: 11/22/21 09:40
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 01:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 04:14	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 13:57	SC	XEN MID

Client Sample ID: CS-12 @3

Lab Sample ID: 890-1619-10
Matrix: Solid
Date Collected: 11/22/21 09:45
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 01:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 04:36	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 14:04	SC	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-13 @3

Lab Sample ID: 890-1619-11
Matrix: Solid
Date Collected: 11/22/21 09:50
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 03:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 05:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 14:11	SC	XEN MID

Client Sample ID: CS-14 @3

Lab Sample ID: 890-1619-12
Matrix: Solid
Date Collected: 11/22/21 09:55
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 03:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 05:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 14:34	SC	XEN MID

Client Sample ID: CS-SW-1 @ 1.5

Lab Sample ID: 890-1619-13
Matrix: Solid
Date Collected: 11/22/21 10:00
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 03:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 06:04	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 14:41	SC	XEN MID

Client Sample ID: CS-SW -2 @ 1.5

Lab Sample ID: 890-1619-14
Matrix: Solid
Date Collected: 11/22/21 10:05
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 04:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-SW -2 @ 1.5

Lab Sample ID: 890-1619-14
Matrix: Solid
Date Collected: 11/22/21 10:05
Date Received: 11/22/21 16:54

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			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 06:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 15:03	SC	XEN MID

Client Sample ID: CS-SW -3 @ 1.5

Lab Sample ID: 890-1619-15
Matrix: Solid
Date Collected: 11/22/21 10:30
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 04:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 06:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 15:10	SC	XEN MID

Client Sample ID: CS-SW-4 @ 1.5

Lab Sample ID: 890-1619-16
Matrix: Solid
Date Collected: 11/22/21 10:40
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 04:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 07:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 15:18	SC	XEN MID

Client Sample ID: CS-SW-5 @1.5

Lab Sample ID: 890-1619-17
Matrix: Solid
Date Collected: 11/22/21 10:50
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 05:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 07:32	AJ	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-SW-5 @1.5

Lab Sample ID: 890-1619-17

Date Collected: 11/22/21 10:50
Date Received: 11/22/21 16:54

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	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 15:25	SC	XEN MID

Client Sample ID: CS-SW-6 @1.5

Lab Sample ID: 890-1619-18

Date Collected: 11/22/21 11:00
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 05:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 07:53	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 15:32	SC	XEN MID

Client Sample ID: CS-SW-7 @1.5

Lab Sample ID: 890-1619-19

Date Collected: 11/22/21 11:10
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 05:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 08:15	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 15:40	SC	XEN MID

Client Sample ID: CS-SW-8 @ 1.5

Lab Sample ID: 890-1619-20

Date Collected: 11/22/21 11:20
Date Received: 11/22/21 16:54

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	13013	11/23/21 09:11	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12991	11/24/21 06:10	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13224	11/24/21 13:43	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13221	11/25/21 08:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13103	11/23/21 18:56	SC	XEN MID
Soluble	Analysis	300.0		1			13194	11/24/21 15:47	SC	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: CS-SW-9 @ 1.5

Lab Sample ID: 890-1619-21

Date Collected: 11/22/21 11:30
Matrix: Solid
Date Received: 11/22/21 16:54

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	13016	11/23/21 16:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13108	11/24/21 11:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13223	11/24/21 12:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13220	11/25/21 05:43	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	13083	11/23/21 13:56	CA	XEN MID
Soluble	Analysis	300.0		5			13163	11/24/21 02:11	SC	XEN MID

Client Sample ID: CS-SW-10 @ 1.5

Lab Sample ID: 890-1619-22

Date Collected: 11/22/21 11:40
Matrix: Solid
Date Received: 11/22/21 16:54

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	13016	11/23/21 16:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13108	11/24/21 11:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13223	11/24/21 12:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13220	11/25/21 06:04	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	13083	11/23/21 13:56	CA	XEN MID
Soluble	Analysis	300.0		5			13163	11/24/21 02:18	SC	XEN MID

Client Sample ID: DUPLICATE-1

Lab Sample ID: 890-1619-23

Date Collected: 11/22/21 00:00
Matrix: Solid
Date Received: 11/22/21 16:54

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	13016	11/23/21 16:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13108	11/24/21 11:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13223	11/24/21 12:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13220	11/25/21 06:26	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13083	11/23/21 13:56	CA	XEN MID
Soluble	Analysis	300.0		1			13163	11/24/21 02:40	SC	XEN MID

Client Sample ID: DUPLICATE-2

Lab Sample ID: 890-1619-24

Date Collected: 11/22/21 00:00
Matrix: Solid
Date Received: 11/22/21 16:54

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	13016	11/23/21 16:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13108	11/24/21 12:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Client Sample ID: DUPLICATE-2

Lab Sample ID: 890-1619-24
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/22/21 16:54

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			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13223	11/24/21 12:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13220	11/25/21 06:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13083	11/23/21 13:56	CA	XEN MID
Soluble	Analysis	300.0		5			13163	11/24/21 02:48	SC	XEN MID

Client Sample ID: DUPLICATE -3

Lab Sample ID: 890-1619-25
Matrix: Solid
Date Collected: 11/22/21 00:00
Date Received: 11/22/21 16:54

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	13016	11/23/21 16:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13108	11/24/21 12:29	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12781	11/24/21 20:31	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13223	11/24/21 12:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13220	11/25/21 07:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	13083	11/23/21 13:56	CA	XEN MID
Soluble	Analysis	300.0		5			13163	11/24/21 03:10	SC	XEN MID

Client Sample ID: TB-11-22-21

Lab Sample ID: 890-1619-26
Matrix: Water
Date Collected: 11/22/21 00:00
Date Received: 11/22/21 16:54

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13293	11/30/21 19:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			12945	11/24/21 10:56	AJ	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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
Total BTEX		Water	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5030B	Purge and Trap	SW846	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1619-1
SDG: Malaga NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1619-1	CS-2 @ 3	Solid	11/22/21 09:00	11/22/21 16:54	3
890-1619-2	CS-4 @ 3	Solid	11/22/21 09:05	11/22/21 16:54	3
890-1619-3	CS-5 @3	Solid	11/22/21 09:10	11/22/21 16:54	3
890-1619-4	CS-6 @3	Solid	11/22/21 09:15	11/22/21 16:54	3
890-1619-5	CS-7 @3	Solid	11/22/21 09:20	11/22/21 16:54	3
890-1619-6	CS-8 @3	Solid	11/22/21 09:25	11/22/21 16:54	3
890-1619-7	CS-9 @3	Solid	11/22/21 09:30	11/22/21 16:54	3
890-1619-8	CS-10 @ 3	Solid	11/22/21 09:35	11/22/21 16:54	3
890-1619-9	CS-11 @3	Solid	11/22/21 09:40	11/22/21 16:54	3
890-1619-10	CS-12 @3	Solid	11/22/21 09:45	11/22/21 16:54	3
890-1619-11	CS-13 @3	Solid	11/22/21 09:50	11/22/21 16:54	3
890-1619-12	CS-14 @3	Solid	11/22/21 09:55	11/22/21 16:54	3
890-1619-13	CS-SW-1 @ 1.5	Solid	11/22/21 10:00	11/22/21 16:54	1.5
890-1619-14	CS-SW -2 @ 1.5	Solid	11/22/21 10:05	11/22/21 16:54	1.5
890-1619-15	CS-SW -3 @ 1.5	Solid	11/22/21 10:30	11/22/21 16:54	1.5
890-1619-16	CS-SW-4 @ 1.5	Solid	11/22/21 10:40	11/22/21 16:54	1.5
890-1619-17	CS-SW-5 @1.5	Solid	11/22/21 10:50	11/22/21 16:54	1.5
890-1619-18	CS-SW-6 @1.5	Solid	11/22/21 11:00	11/22/21 16:54	1.5
890-1619-19	CS-SW-7 @1.5	Solid	11/22/21 11:10	11/22/21 16:54	1.5
890-1619-20	CS-SW-8 @ 1.5	Solid	11/22/21 11:20	11/22/21 16:54	1.5
890-1619-21	CS-SW-9 @ 1.5	Solid	11/22/21 11:30	11/22/21 16:54	1.5
890-1619-22	CS-SW-10 @ 1.5	Solid	11/22/21 11:40	11/22/21 16:54	1.5
890-1619-23	DUPLICATE-1	Solid	11/22/21 00:00	11/22/21 16:54	3
890-1619-24	DUPLICATE-2	Solid	11/22/21 00:00	11/22/21 16:54	3
890-1619-25	DUPLICATE -3	Solid	11/22/21 00:00	11/22/21 16:54	3
890-1619-26	TB-11-22-21	Water	11/22/21 00:00	11/22/21 16:54	

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 3

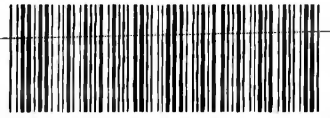
Project Manager:	Jared Stoffel	Bill to: (if different)	Ike Tavarez
Company Name:	TRC	Company Name:	Conoco Phillips
Address:	10 Desta Dr.	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432-238-3003	Email:	Misti, Jared, Ike

Work Order Comments
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: NM
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Cop Vasquez #1 TB	Turn Around	
Project Number:		☐ Routine ☑ Rush 24h	
Project Location:	Malaga, NM	Due Date:	
Sampler's Name:	Misti Bryant	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	T-NM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	3.4
Total Containers:		Corrected Temperature:	3.2

ANALYSIS REQUEST



Preservative Codes
None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M	Chlorides	Sample Comments
CS-2 @ 3'	S	11/22/21	0900	3'	G	1	X	X	X	
CS-4 @ 3'			0905							
CS-5 @ 3'			0910							
CS-6 @ 3'			0915							
CS-7 @ 3'			0920							
CS-8 @ 3'			0925							
CS-9 @ 3'			0930							
CS-10 @ 3'			0935							
CS-11 @ 3'			0940							
CS-12 @ 3'			0945							

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Misti Bryant		11/22/21 4:54	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: _____

www.xenco.com Page 2 of 3

Project Manager:	Jared Stoffel	Bill to: (if different)	Ike Tavarez
Company Name:	TRC	Company Name:	Conoco Phillips
Address:	10 Desta Dr	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432-238-3003	Email:	mstr, Jared, Ike

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: NM
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Coll Vasquez #1 TB	Turn Around	
Project Number:		☐ Routine ☑ Rush 24h	Pres. Code
Project Location:	Malaga, NM	Due Date:	
Sampler's Name:	Misti Bryant	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice: (Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	IR-NM-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.7
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.4
Total Containers:		Corrected Temperature:	3.7

Preservative Codes

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	BTEX 8021B	TPH 8015M	Chlorides	Sample Comments
CS-13 @ 3'	S	11/22/21	0950	3'	C	1	X	X	X	
CS-14 @ 3'			0955	3'						
CS-SW-1 @ 1.5'			1000	1.5'						
CS-SW-2 @ 1.5'			1005							
CS-SW-3 @ 1.5'			1030							
CS-SW-4 @ 1.5'			1040							
CS-SW-5 @ 1.5'			1050							
CS-SW-6 @ 1.5'			1100							
CS-SW-7 @ 1.5'			1110							
CS-SW-8 @ 1.5'			1120							

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Misti Bryant		11/22/21 4:55	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 3 of 3

Project Manager:	Jared Stoffel	Bill to: (if different)	Ike Tavarez
Company Name:	TRC	Company Name:	ConocoPhillips
Address:	10 Desta Dr.	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432-238-3803	Email:	Mistie, Jared, Ike

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: NM
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Col Vasquez #2 TB	Turn Around	☐ Routine ☑ Rush 24h
Project Number:			
Project Location:	Malaga, NM	Due Date:	
Sampler's Name:	M. Stoffel Bryant	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	Thermocouple	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.4	
Total Containers:		Corrected Temperature:	3.2	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: BTEX 8021B	TPH 8015M	Chlorides
CS-SW-9 @ 1.5'	S	11/22/21	1130	1.5'	C	1			
CS-SW-10 @ 1.5'			1140	1.5'					
Duplicate-1			—	—					
Duplicate-2			—	—					
Duplicate-3			—	—					
TB-11-22-21	W	—	—	—	—	2	—	—	—

ANALYSIS REQUEST

Preservative Codes

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

Sample Comments

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Mistie Bryant		11/22/21 4:55	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone: 575-988-3199 Fax. 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-520 1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 3
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1619-1
Address: 1211 W Florida Ave	Due Date Requested: 11/24/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: COP Vasquez #1 TB	Project #: 88000402			
Site	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep Full TPH	8021B/6035FP_Calc BTEX - LL	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	Total_BTEX_GCV	8021B/6030B BTEX	Total Number of containers	Special Instructions/Note:
Preservation Code:														
CS-2 @ 3 (890-1619-1)	11/22/21	09 00 Mountain		Solid			X	X	X	X	X		1	
CS-4 @ 3 (890-1619-2)	11/22/21	09 05 Mountain		Solid			X	X	X	X	X		1	
CS-5 @3 (890-1619-3)	11/22/21	09 10 Mountain		Solid			X	X	X	X	X		1	
CS-6 @3 (890-1619-4)	11/22/21	09 15 Mountain		Solid			X	X	X	X	X		1	
CS-7 @3 (890-1619-5)	11/22/21	09 20 Mountain		Solid			X	X	X	X	X		1	
CS-8 @3 (890-1619-6)	11/22/21	09 25 Mountain		Solid			X	X	X	X	X		1	
CS-9 @3 (890-1619-7)	11/22/21	09 30 Mountain		Solid			X	X	X	X	X		1	
CS-10 @ 3 (890-1619-8)	11/22/21	09 35 Mountain		Solid			X	X	X	X	X		1	
CS-11 @3 (890-1619-9)	11/22/21	09 40 Mountain		Solid			X	X	X	X	X		1	

Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company
Relinquished by: 11.23.21			Kramer	11/23/21	
Relinquished by:	Date/Time.	Company	Received by:	Date/Time: 1649	Company
Relinquished by:	Date/Time.	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 3.6/3.7

Ver: 06/08/2021

Eurofins Xenco, Carlsbad
1089 N Canal St
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-520 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 2 of 3
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1619-1
Address: 1211 W Florida Ave ,	Due Date Requested: 11/24/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email:	WO #:			
Project Name: COP Vasquez #1 TB	Project #: 88000402			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep Full TPH	8021B/5035FP_Calc BTEX - LL	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	Total_BTEX_GCV	8021B/5030B BTEX	Total Number of containers	Special Instructions/Note.
Preservation Code:														
CS-12 @3 (890-1619-10)	11/22/21	09 45 Mountain		Solid			X	X	X	X	X		1	
CS-13 @3 (890-1619-11)	11/22/21	09 50 Mountain		Solid			X	X	X	X	X		1	
CS-14 @3 (890-1619-12)	11/22/21	09 55 Mountain		Solid			X	X	X	X	X		1	
CS-SW-1 @ 1 5 (890-1619-13)	11/22/21	10 00 Mountain		Solid			X	X	X	X	X		1	
CS-SW -2 @ 1 5 (890-1619-14)	11/22/21	10 05 Mountain		Solid			X	X	X	X	X		1	
CS-SW -3 @ 1 5 (890-1619-15)	11/22/21	10 30 Mountain		Solid			X	X	X	X	X		1	
CS-SW-4 @ 1 5 (890-1619-16)	11/22/21	10 40 Mountain		Solid			X	X	X	X	X		1	
CS-SW-5 @1 5 (890-1619-17)	11/22/21	10 50 Mountain		Solid			X	X	X	X	X		1	
CS-SW-6 @1 5 (890-1619-18)	11/22/21	11 00 Mountain		Solid			X	X	X	X	X		1	

Note Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date.	Time	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Dee Cap 11-23-21			P Kramer	11/23/21	
Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone. 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No.: 890-520 3
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 3 of 3
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1619-1
Address: 1211 W Florida Ave	Due Date Requested: 11/24/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: COP Vasquez #1 TB	Project #: 88000402			
Site	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep Full TPH	8021B/6035FP_Calc BTEX - LL	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	Total_BTEX_GCV	8021B/5030B BTEX	Total Number of containers	Special Instructions/Note.
Preservation Code:														
CS-SW-7 @1 5 (890-1619-19)	11/22/21	11 10 Mountain		Solid			X	X	X	X	X		1	
CS-SW-8 @ 1 5 (890-1619-20)	11/22/21	11 20 Mountain		Solid			X	X	X	X	X		1	
CS-SW-9 @ 1 5 (890-1619-21)	11/22/21	11 30 Mountain		Solid			X	X	X	X	X		1	
CS-SW-10 @ 1 5 (890-1619-22)	11/22/21	11 40 Mountain		Solid			X	X	X	X	X		1	
DUPLICATE-1 (890-1619-23)	11/22/21	Mountain		Solid			X	X	X	X	X		1	
DUPLICATE-2 (890-1619-24)	11/22/21	Mountain		Solid			X	X	X	X	X		1	
DUPLICATE -3 (890-1619-25)	11/22/21	Mountain		Solid			X	X	X	X	X		1	
TB-11-22-21 (890-1619-26)	11/22/21	Mountain		Water							X	X	2	

Note Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1619-1
SDG Number: Malaga NM

Login Number: 1619
List Number: 1
Creator: Olivas, Nathaniel

List Source: Eurofins Xenco, 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.	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: 890-1619-1
SDG Number: Malaga NM

Login Number: 1619
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 11/23/21 04:53 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	3.6/3.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-1631-1
Laboratory Sample Delivery Group: Malaga NM
Client Project/Site: COP Vasquez #1 TB

For:
TRC Solutions, Inc.
2057 Commerce Drive
Midland, Texas 79703

Attn: Jared Stoffel

JKRAMER

Authorized for release by:
11/30/2021 7:13:06 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 890-1631-1
Project/Site: COP Vasquez #1 TB SDG: Malaga NM

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Job ID: 890-1631-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1631-1

Receipt
The samples were received on 11/23/2021 4:59 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-13300 and analytical batch 880-13323 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-15@4

Date Collected: 11/23/21 09:00
Date Received: 11/23/21 16:59
Sample Depth: 4

Lab Sample ID: 890-1631-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 12:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 12:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 12:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/24/21 10:09	11/29/21 12:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 12:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/24/21 10:09	11/29/21 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*11/24/21 10:09*	*11/29/21 12:15*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/24/21 10:09*	*11/29/21 12:15*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	49.9		mg/Kg		11/29/21 09:07	11/29/21 14:16	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 14:16	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 14:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*70 - 130*	*11/29/21 09:07*	*11/29/21 14:16*	*1*
o-Terphenyl	*95*		*70 - 130*	*11/29/21 09:07*	*11/29/21 14:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**361**		24.8		mg/Kg			11/24/21 22:25	5

Client Sample ID: CS-16 @4

Date Collected: 11/23/21 09:30
Date Received: 11/23/21 16:59
Sample Depth: 4

Lab Sample ID: 890-1631-2

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 12:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 12:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 12:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/24/21 10:09	11/29/21 12:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 12:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/24/21 10:09	11/29/21 12:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*11/24/21 10:09*	*11/29/21 12:35*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-16 @4

Date Collected: 11/23/21 09:30
Date Received: 11/23/21 16:59
Sample Depth: 4

Lab Sample ID: 890-1631-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/24/21 10:09*	*11/29/21 12:35*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 15:16	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 15:16	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*11/29/21 09:07*	*11/29/21 15:16*	*1*
o-Terphenyl	*92*		*70 - 130*	*11/29/21 09:07*	*11/29/21 15:16*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**362**		25.0		mg/Kg			11/24/21 22:32	5

Client Sample ID: CS-17 @3

Date Collected: 11/23/21 10:00
Date Received: 11/23/21 16:59
Sample Depth: 3

Lab Sample ID: 890-1631-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 12:55	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 12:55	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 12:55	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/24/21 10:09	11/29/21 12:55	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 12:55	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/24/21 10:09	11/29/21 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*11/24/21 10:09*	*11/29/21 12:55*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/24/21 10:09*	*11/29/21 12:55*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-17 @3

Lab Sample ID: 890-1631-3
Matrix: Solid
Date Collected: 11/23/21 10:00
Date Received: 11/23/21 16:59
Sample Depth: 3

Method: 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		11/29/21 09:07	11/29/21 15:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 15:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*11/29/21 09:07*	*11/29/21 15:37*	*1*
o-Terphenyl	*94*		*70 - 130*	*11/29/21 09:07*	*11/29/21 15:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**360**		25.0		mg/Kg			11/25/21 10:51	5

Client Sample ID: CS-1 @4

Lab Sample ID: 890-1631-4
Matrix: Solid
Date Collected: 11/23/21 10:30
Date Received: 11/23/21 16:59
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 13:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 13:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 13:16	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/24/21 10:09	11/29/21 13:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 13:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/24/21 10:09	11/29/21 13:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*11/24/21 10:09*	*11/29/21 13:16*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*11/24/21 10:09*	*11/29/21 13:16*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 15:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 15:57	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*11/29/21 09:07*	*11/29/21 15:57*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/29/21 09:07*	*11/29/21 15:57*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-1 @4

Lab Sample ID: 890-1631-4
Matrix: Solid
Date Collected: 11/23/21 10:30
Date Received: 11/23/21 16:59
Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	333		24.8		mg/Kg			11/25/21 10:59	5

Client Sample ID: CS-3 @4

Lab Sample ID: 890-1631-5
Matrix: Solid
Date Collected: 11/23/21 11:00
Date Received: 11/23/21 16:59
Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/24/21 10:09	11/29/21 13:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/24/21 10:09	11/29/21 13:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/24/21 10:09	11/29/21 13:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/24/21 10:09	11/29/21 13:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/24/21 10:09	11/29/21 13:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/24/21 10:09	11/29/21 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*11/24/21 10:09*	*11/29/21 13:36*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/24/21 10:09*	*11/29/21 13:36*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 16:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/29/21 09:07	11/29/21 16:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/29/21 09:07	11/29/21 16:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*11/29/21 09:07*	*11/29/21 16:17*	*1*
o-Terphenyl	*92*		*70 - 130*	*11/29/21 09:07*	*11/29/21 16:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	344		25.2		mg/Kg			11/25/21 11:21	5

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-SW-11@3.5

Lab Sample ID: 890-1631-6
Matrix: Solid
Date Collected: 11/23/21 11:15
Date Received: 11/23/21 16:59
Sample Depth: 3.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 13:57	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 13:57	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 13:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/24/21 10:09	11/29/21 13:57	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 13:57	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/24/21 10:09	11/29/21 13:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*11/24/21 10:09*	*11/29/21 13:57*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*11/24/21 10:09*	*11/29/21 13:57*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 16:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 16:37	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/29/21 09:07*	*11/29/21 16:37*	*1*
o-Terphenyl	*98*		*70 - 130*	*11/29/21 09:07*	*11/29/21 16:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**368**		24.9		mg/Kg			11/25/21 11:28	5

Client Sample ID: CS-SW-12@3.5

Lab Sample ID: 890-1631-7
Matrix: Solid
Date Collected: 11/23/21 11:20
Date Received: 11/23/21 16:59
Sample Depth: 3.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 14:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 14:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 14:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/24/21 10:09	11/29/21 14:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:09	11/29/21 14:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/24/21 10:09	11/29/21 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*11/24/21 10:09*	*11/29/21 14:17*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-SW-12@3.5

Lab Sample ID: 890-1631-7
Matrix: Solid
Date Collected: 11/23/21 11:20
Date Received: 11/23/21 16:59
Sample Depth: 3.5

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/24/21 10:09*	*11/29/21 14:17*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 16:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/29/21 09:07	11/29/21 16:58	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/29/21 09:07	11/29/21 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/29/21 09:07*	*11/29/21 16:58*	*1*
o-Terphenyl	*98*		*70 - 130*	*11/29/21 09:07*	*11/29/21 16:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**339**		24.8		mg/Kg			11/25/21 11:50	5

Client Sample ID: CS-SW13@3.5

Lab Sample ID: 890-1631-8
Matrix: Solid
Date Collected: 11/23/21 11:25
Date Received: 11/23/21 16:59
Sample Depth: 3.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:09	11/29/21 14:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:09	11/29/21 14:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:09	11/29/21 14:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/24/21 10:09	11/29/21 14:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:09	11/29/21 14:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/24/21 10:09	11/29/21 14:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*11/24/21 10:09*	*11/29/21 14:37*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/24/21 10:09*	*11/29/21 14:37*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-SW13@3.5

Lab Sample ID: 890-1631-8
Matrix: Solid
Date Collected: 11/23/21 11:25
Date Received: 11/23/21 16:59
Sample Depth: 3.5

Method: 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		11/29/21 09:07	11/29/21 17:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 17:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*11/29/21 09:07*	*11/29/21 17:18*	*1*
o-Terphenyl	*110*		*70 - 130*	*11/29/21 09:07*	*11/29/21 17:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**297**		25.1		mg/Kg			11/25/21 11:58	5

Client Sample ID: CS-SW 14@3.5

Lab Sample ID: 890-1631-9
Matrix: Solid
Date Collected: 11/23/21 13:00
Date Received: 11/23/21 16:59
Sample Depth: 3.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:09	11/29/21 14:58	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:09	11/29/21 14:58	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:09	11/29/21 14:58	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/24/21 10:09	11/29/21 14:58	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:09	11/29/21 14:58	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/24/21 10:09	11/29/21 14:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*11/24/21 10:09*	*11/29/21 14:58*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/24/21 10:09*	*11/29/21 14:58*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 17:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 17:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*11/29/21 09:07*	*11/29/21 17:38*	*1*
o-Terphenyl	*97*		*70 - 130*	*11/29/21 09:07*	*11/29/21 17:38*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-SW 14@3.5

Lab Sample ID: 890-1631-9
Matrix: Solid
Date Collected: 11/23/21 13:00
Date Received: 11/23/21 16:59
Sample Depth: 3.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	297		24.9		mg/Kg			11/25/21 12:05	5

Client Sample ID: CS-18 @7

Lab Sample ID: 890-1631-10
Matrix: Solid
Date Collected: 11/23/21 13:05
Date Received: 11/23/21 16:59
Sample Depth: 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 15:18	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 15:18	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 15:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/24/21 10:09	11/29/21 15:18	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 15:18	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/24/21 10:09	11/29/21 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*	*11/24/21 10:09*	*11/29/21 15:18*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*11/24/21 10:09*	*11/29/21 15:18*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 17:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 17:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 17:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*11/29/21 09:07*	*11/29/21 17:59*	*1*
o-Terphenyl	*102*		*70 - 130*	*11/29/21 09:07*	*11/29/21 17:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	442		5.00		mg/Kg			11/28/21 13:35	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-19@7

Date Collected: 11/23/21 13:10
Date Received: 11/23/21 16:59
Sample Depth: 7

Lab Sample ID: 890-1631-11

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:13	11/29/21 12:27	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:13	11/29/21 12:27	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:13	11/29/21 12:27	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/24/21 10:13	11/29/21 12:27	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:13	11/29/21 12:27	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/24/21 10:13	11/29/21 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*11/24/21 10:13*	*11/29/21 12:27*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/24/21 10:13*	*11/29/21 12:27*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 18:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 18:39	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 18:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*11/29/21 09:07*	*11/29/21 18:39*	*1*
o-Terphenyl	*96*		*70 - 130*	*11/29/21 09:07*	*11/29/21 18:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**546**		25.0		mg/Kg			11/25/21 12:20	5

Client Sample ID: CS-20@7

Date Collected: 11/23/21 13:15
Date Received: 11/23/21 16:59
Sample Depth: 7

Lab Sample ID: 890-1631-12

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 12:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 12:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 12:48	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/24/21 10:13	11/29/21 12:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 12:48	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/24/21 10:13	11/29/21 12:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*11/24/21 10:13*	*11/29/21 12:48*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-20@7

Lab Sample ID: 890-1631-12
Matrix: Solid
Date Collected: 11/23/21 13:15
Date Received: 11/23/21 16:59
Sample Depth: 7

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*11/24/21 10:13*	*11/29/21 12:48*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 19:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 19:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 19:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/29/21 09:07*	*11/29/21 19:00*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/29/21 09:07*	*11/29/21 19:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**499**		25.2		mg/Kg			11/25/21 12:27	5

Client Sample ID: CS-SW-15@5

Lab Sample ID: 890-1631-13
Matrix: Solid
Date Collected: 11/23/21 13:20
Date Received: 11/23/21 16:59
Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:13	11/29/21 13:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:13	11/29/21 13:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:13	11/29/21 13:08	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		11/24/21 10:13	11/29/21 13:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/24/21 10:13	11/29/21 13:08	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		11/24/21 10:13	11/29/21 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*11/24/21 10:13*	*11/29/21 13:08*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*11/24/21 10:13*	*11/29/21 13:08*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-SW-15@5

Lab Sample ID: 890-1631-13
Matrix: Solid
Date Collected: 11/23/21 13:20
Date Received: 11/23/21 16:59
Sample Depth: 5

Method: 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		11/29/21 09:07	11/29/21 19:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 19:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*11/29/21 09:07*	*11/29/21 19:20*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/29/21 09:07*	*11/29/21 19:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**483**		25.2		mg/Kg			11/25/21 12:34	5

Client Sample ID: CS-SW-16@5

Lab Sample ID: 890-1631-14
Matrix: Solid
Date Collected: 11/23/21 13:25
Date Received: 11/23/21 16:59
Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 13:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 13:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 13:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/24/21 10:13	11/29/21 13:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 13:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/24/21 10:13	11/29/21 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*11/24/21 10:13*	*11/29/21 13:28*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*11/24/21 10:13*	*11/29/21 13:28*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 19:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 19:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*11/29/21 09:07*	*11/29/21 19:40*	*1*
o-Terphenyl	*100*		*70 - 130*	*11/29/21 09:07*	*11/29/21 19:40*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-SW-16@5

Lab Sample ID: 890-1631-14
Matrix: Solid
Date Collected: 11/23/21 13:25
Date Received: 11/23/21 16:59
Sample Depth: 5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	412		4.98		mg/Kg			11/25/21 13:33	1

Client Sample ID: CS-SW-17@5

Lab Sample ID: 890-1631-15
Matrix: Solid
Date Collected: 11/23/21 13:30
Date Received: 11/23/21 16:59
Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 13:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 13:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 13:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/24/21 10:13	11/29/21 13:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 13:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/24/21 10:13	11/29/21 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*11/24/21 10:13*	*11/29/21 13:49*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/24/21 10:13*	*11/29/21 13:49*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 20:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/29/21 09:07	11/29/21 20:00	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/29/21 09:07	11/29/21 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*11/29/21 09:07*	*11/29/21 20:00*	*1*
o-Terphenyl	*105*		*70 - 130*	*11/29/21 09:07*	*11/29/21 20:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	408		5.04		mg/Kg			11/25/21 13:55	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-SW-18@5

Lab Sample ID: 890-1631-16
Matrix: Solid
Date Collected: 11/23/21 15:30
Date Received: 11/23/21 16:59
Sample Depth: 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:13	11/29/21 14:09	1
Toluene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:13	11/29/21 14:09	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:13	11/29/21 14:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		11/24/21 10:13	11/29/21 14:09	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		11/24/21 10:13	11/29/21 14:09	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		11/24/21 10:13	11/29/21 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*11/24/21 10:13*	*11/29/21 14:09*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/24/21 10:13*	*11/29/21 14:09*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 20:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 20:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*11/29/21 09:07*	*11/29/21 20:21*	*1*
o-Terphenyl	*101*		*70 - 130*	*11/29/21 09:07*	*11/29/21 20:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**458**		4.99		mg/Kg			11/25/21 14:03	1

Client Sample ID: CS-21@17

Lab Sample ID: 890-1631-17
Matrix: Solid
Date Collected: 11/23/21 15:35
Date Received: 11/23/21 16:59
Sample Depth: 17

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:13	11/29/21 14:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:13	11/29/21 14:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:13	11/29/21 14:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/24/21 10:13	11/29/21 14:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/24/21 10:13	11/29/21 14:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/24/21 10:13	11/29/21 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*11/24/21 10:13*	*11/29/21 14:30*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-21@17

Lab Sample ID: 890-1631-17
Matrix: Solid
Date Collected: 11/23/21 15:35
Date Received: 11/23/21 16:59
Sample Depth: 17

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*11/24/21 10:13*	*11/29/21 14:30*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 20:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 20:41	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/29/21 09:07	11/29/21 20:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*113*		*70 - 130*	*11/29/21 09:07*	*11/29/21 20:41*	*1*
o-Terphenyl	*113*		*70 - 130*	*11/29/21 09:07*	*11/29/21 20:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2390**		25.0		mg/Kg			11/25/21 14:10	5

Client Sample ID: CS-22@17

Lab Sample ID: 890-1631-18
Matrix: Solid
Date Collected: 11/23/21 15:40
Date Received: 11/23/21 16:59
Sample Depth: 17

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/24/21 10:13	11/29/21 14:50	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/24/21 10:13	11/29/21 14:50	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/24/21 10:13	11/29/21 14:50	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/24/21 10:13	11/29/21 14:50	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/24/21 10:13	11/29/21 14:50	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/24/21 10:13	11/29/21 14:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*11/24/21 10:13*	*11/29/21 14:50*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/24/21 10:13*	*11/29/21 14:50*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-22@17

Lab Sample ID: 890-1631-18
Matrix: Solid
Date Collected: 11/23/21 15:40
Date Received: 11/23/21 16:59
Sample Depth: 17

Method: 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		11/29/21 09:07	11/29/21 21:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 21:01	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*11/29/21 09:07*	*11/29/21 21:01*	*1*
o-Terphenyl	*109*		*70 - 130*	*11/29/21 09:07*	*11/29/21 21:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2570**		24.8		mg/Kg			11/25/21 14:17	5

Client Sample ID: CS-23@17

Lab Sample ID: 890-1631-19
Matrix: Solid
Date Collected: 11/23/21 00:00
Date Received: 11/23/21 16:59
Sample Depth: 17

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 15:11	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 15:11	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 15:11	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/24/21 10:13	11/29/21 15:11	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 15:11	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/24/21 10:13	11/29/21 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*11/24/21 10:13*	*11/29/21 15:11*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*11/24/21 10:13*	*11/29/21 15:11*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 21:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 21:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*11/29/21 09:07*	*11/29/21 21:21*	*1*
o-Terphenyl	*117*		*70 - 130*	*11/29/21 09:07*	*11/29/21 21:21*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-23@17

Lab Sample ID: 890-1631-19
Matrix: Solid
Date Collected: 11/23/21 00:00
Date Received: 11/23/21 16:59
Sample Depth: 17

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2840		50.2		mg/Kg			11/25/21 15:29	10

Client Sample ID: DUPLICATE-4

Lab Sample ID: 890-1631-20
Matrix: Solid
Date Collected: 11/23/21 00:00
Date Received: 11/23/21 16:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 15:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 15:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 15:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/24/21 10:13	11/29/21 15:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 15:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/24/21 10:13	11/29/21 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*11/24/21 10:13*	*11/29/21 15:31*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*11/24/21 10:13*	*11/29/21 15:31*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/29/21 09:07	11/29/21 21:41	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/29/21 09:07	11/29/21 21:41	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/29/21 09:07	11/29/21 21:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*11/29/21 09:07*	*11/29/21 21:41*	*1*
o-Terphenyl	*104*		*70 - 130*	*11/29/21 09:07*	*11/29/21 21:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	466		4.97		mg/Kg			11/25/21 15:37	1

Client Sample ID: DUPLICATE-5

Lab Sample ID: 890-1631-21
Matrix: Solid
Date Collected: 11/23/21 00:00
Date Received: 11/23/21 16:59

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 12:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 12:52	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: DUPLICATE-5

Date Collected: 11/23/21 00:00
Date Received: 11/23/21 16:59

Lab Sample ID: 890-1631-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 12:52	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/24/21 10:16	11/29/21 12:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 12:52	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/24/21 10:16	11/29/21 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*142*	*S1+*	*70 - 130*	*11/24/21 10:16*	*11/29/21 12:52*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*11/24/21 10:16*	*11/29/21 12:52*	*1*

Method: 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			11/30/21 11:02	1

Method: 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			11/30/21 10:59	1

Method: 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		11/24/21 12:36	11/25/21 08:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		11/24/21 12:36	11/25/21 08:37	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		11/24/21 12:36	11/25/21 08:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*11/24/21 12:36*	*11/25/21 08:37*	*1*
o-Terphenyl	*125*		*70 - 130*	*11/24/21 12:36*	*11/25/21 08:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2160**		24.8		mg/Kg			11/25/21 15:44	5

Client Sample ID: TB-11-23-21

Date Collected: 11/23/21 00:00
Date Received: 11/23/21 16:59

Lab Sample ID: 890-1631-22
Matrix: Water

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			11/30/21 19:05	1
Toluene	<0.00200	U	0.00200		mg/L			11/30/21 19:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			11/30/21 19:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			11/30/21 19:05	1
o-Xylene	<0.00200	U	0.00200		mg/L			11/30/21 19:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			11/30/21 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*143*	*S1+*	*70 - 130*		*11/30/21 19:05*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*		*11/30/21 19:05*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: TB-11-23-21
Date Collected: 11/23/21 00:00
Date Received: 11/23/21 16:59

Lab Sample ID: 890-1631-22
Matrix: Water

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/L			11/30/21 11:02	1

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-1631-1	CS-15@4	105	104
890-1631-1 MS	CS-15@4	104	101
890-1631-1 MSD	CS-15@4	105	104
890-1631-2	CS-16 @4	114	105
890-1631-3	CS-17 @3	126	106
890-1631-4	CS-1 @4	111	82
890-1631-5	CS-3 @4	124	102
890-1631-6	CS-SW-11@3.5	113	106
890-1631-7	CS-SW-12@3.5	110	99
890-1631-8	CS-SW13@3.5	138 S1+	107
890-1631-9	CS-SW 14@3.5	106	105
890-1631-10	CS-18 @7	115	110
890-1631-11	CS-19@7	120	97
890-1631-11 MS	CS-19@7	114	102
890-1631-11 MSD	CS-19@7	117	105
890-1631-12	CS-20@7	121	105
890-1631-13	CS-SW-15@5	129	98
890-1631-14	CS-SW-16@5	128	104
890-1631-15	CS-SW-17@5	130	102
890-1631-16	CS-SW-18@5	129	97
890-1631-17	CS-21@17	118	97
890-1631-18	CS-22@17	127	100
890-1631-19	CS-23@17	118	101
890-1631-20	DUPLICATE-4	124	102
890-1631-21	DUPLICATE-5	142 S1+	90
890-1631-21 MSD	DUPLICATE-5	122	112
LCS 880-13159/1-A	Lab Control Sample	102	98
LCS 880-13160/1-A	Lab Control Sample	111	97
LCS 880-13161/1-A	Lab Control Sample	124	73
LCSD 880-13159/2-A	Lab Control Sample Dup	100	119
LCSD 880-13160/2-A	Lab Control Sample Dup	117	105
LCSD 880-13161/2-A	Lab Control Sample Dup	134 S1+	116
MB 880-13159/5-A	Method Blank	118	107
MB 880-13160/5-A	Method Blank	118	100
MB 880-13161/5-A	Method Blank	77	79

Surrogate Legend

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

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID		
890-1631-21 MS	DUPLICATE-5		

Surrogate Legend

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

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1631-22	TB-11-23-21	143 S1+	110
LCS 880-13293/65	Lab Control Sample	111	105
LCSD 880-13293/66	Lab Control Sample Dup	112	99
MB 880-13186/5-A	Method Blank	76	108
MB 880-13293/70	Method Blank	79	98

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-1613-A-1-F MS	Matrix Spike	109	106
890-1613-A-1-G MSD	Matrix Spike Duplicate	110	105
890-1631-1	CS-15@4	95	95
890-1631-1 MS	CS-15@4	110	110
890-1631-1 MSD	CS-15@4	108	108
890-1631-2	CS-16 @4	92	92
890-1631-3	CS-17 @3	94	94
890-1631-4	CS-1 @4	96	96
890-1631-5	CS-3 @4	92	92
890-1631-6	CS-SW-11@3.5	98	98
890-1631-7	CS-SW-12@3.5	98	98
890-1631-8	CS-SW13@3.5	110	110
890-1631-9	CS-SW 14@3.5	97	97
890-1631-10	CS-18 @7	102	102
890-1631-11	CS-19@7	96	96
890-1631-12	CS-20@7	100	100
890-1631-13	CS-SW-15@5	101	101
890-1631-14	CS-SW-16@5	100	100
890-1631-15	CS-SW-17@5	105	105
890-1631-16	CS-SW-18@5	101	101
890-1631-17	CS-21@17	113	113
890-1631-18	CS-22@17	109	109
890-1631-19	CS-23@17	117	117
890-1631-20	DUPLICATE-4	104	104
890-1631-21	DUPLICATE-5	110	125
LCS 880-13223/2-A	Lab Control Sample	117	128
LCS 880-13300/2-A	Lab Control Sample	140 S1+	140 S1+
LCSD 880-13223/3-A	Lab Control Sample Dup	110	122
MB 880-13223/1-A	Method Blank	151 S1+	169 S1+
MB 880-13300/1-A	Method Blank	128	128

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-13159/5-A
Matrix: Solid
Analysis Batch: 13291

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13159

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 11:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 11:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 11:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/24/21 10:09	11/29/21 11:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:09	11/29/21 11:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/24/21 10:09	11/29/21 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*11/24/21 10:09*	*11/29/21 11:53*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*11/24/21 10:09*	*11/29/21 11:53*	*1*

Lab Sample ID: LCS 880-13159/1-A
Matrix: Solid
Analysis Batch: 13291

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13159

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08229		mg/Kg		82	70 - 130		
Toluene			0.100	0.07833		mg/Kg		78	70 - 130		
Ethylbenzene			0.100	0.07679		mg/Kg		77	70 - 130		
m-Xylene & p-Xylene			0.200	0.1631		mg/Kg		82	70 - 130		
o-Xylene			0.100	0.08141		mg/Kg		81	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-13159/2-A
Matrix: Solid
Analysis Batch: 13291

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13159

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.08847		mg/Kg		88	70 - 130	7	35
Toluene			0.100	0.08574		mg/Kg		86	70 - 130	9	35
Ethylbenzene			0.100	0.08507		mg/Kg		85	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.1741		mg/Kg		87	70 - 130	7	35
o-Xylene			0.100	0.08570		mg/Kg		86	70 - 130	5	35

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

Lab Sample ID: 890-1631-1 MSD
Matrix: Solid
Analysis Batch: 13291

Client Sample ID: CS-15@4
Prep Type: Total/NA
Prep Batch: 13159

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.09074		mg/Kg					
Toluene	<0.00199	U	0.0996	0.08387		mg/Kg					

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

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

Lab Sample ID: 890-1631-1 MSD
Matrix: Solid
Analysis Batch: 13291

Client Sample ID: CS-15@4
Prep Type: Total/NA
Prep Batch: 13159

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylbenzene	<0.00199	U	0.0996	0.08903		mg/Kg					
m-Xylene & p-Xylene	<0.00398	U	0.199	0.1851		mg/Kg					
o-Xylene	<0.00199	U	0.0996	0.09097		mg/Kg					

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-13160/5-A
Matrix: Solid
Analysis Batch: 13292

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13160

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 11:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 11:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 11:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/24/21 10:13	11/29/21 11:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:13	11/29/21 11:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/24/21 10:13	11/29/21 11:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*11/24/21 10:13*	*11/29/21 11:58*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*11/24/21 10:13*	*11/29/21 11:58*	*1*

Lab Sample ID: LCS 880-13160/1-A
Matrix: Solid
Analysis Batch: 13292

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13160

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08560		mg/Kg		86	70 - 130
Toluene	0.100	0.09245		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.09412		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1863		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09055		mg/Kg		91	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 880-13160/2-A
Matrix: Solid
Analysis Batch: 13292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13160

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09240		mg/Kg		92	70 - 130	8	35
Toluene	0.100	0.09110		mg/Kg		91	70 - 130	1	35
Ethylbenzene	0.100	0.09918		mg/Kg		99	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1937		mg/Kg		97	70 - 130	4	35

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

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

Lab Sample ID: LCSD 880-13160/2-A
Matrix: Solid
Analysis Batch: 13292

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13160

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
o-Xylene			0.100	0.09576		mg/Kg		96	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-13161/5-A
Matrix: Solid
Analysis Batch: 13293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13161

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 12:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 12:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 12:26	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/24/21 10:16	11/29/21 12:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/24/21 10:16	11/29/21 12:26	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/24/21 10:16	11/29/21 12:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*11/24/21 10:16*	*11/29/21 12:26*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*11/24/21 10:16*	*11/29/21 12:26*	*1*

Lab Sample ID: LCS 880-13161/1-A
Matrix: Solid
Analysis Batch: 13293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13161

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene			0.100	0.08839		mg/Kg		88	70 - 130
Toluene			0.100	0.09719		mg/Kg		97	70 - 130
Ethylbenzene			0.100	0.1011		mg/Kg		101	70 - 130
m-Xylene & p-Xylene			0.200	0.2239		mg/Kg		112	70 - 130
o-Xylene			0.100	0.1073		mg/Kg		107	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*

Lab Sample ID: LCSD 880-13161/2-A
Matrix: Solid
Analysis Batch: 13293

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13161

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1007		mg/Kg		101	70 - 130	13	35
Toluene			0.100	0.1097		mg/Kg		110	70 - 130	12	35
Ethylbenzene			0.100	0.08493		mg/Kg		85	70 - 130	17	35
m-Xylene & p-Xylene			0.200	0.2350		mg/Kg		118	70 - 130	5	35
o-Xylene			0.100	0.1130		mg/Kg		113	70 - 130	5	35

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

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

Lab Sample ID: LCSD 880-13161/2-A
Matrix: Solid
Analysis Batch: 13293

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13161

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130
1,4-Difluorobenzene (Surr)	116		70 - 130

Lab Sample ID: 890-1631-21 MSD
Matrix: Solid
Analysis Batch: 13293

Client Sample ID: DUPLICATE-5
Prep Type: Total/NA
Prep Batch: 13161

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0998	0.08962		mg/Kg					
Toluene	<0.00200	U	0.0998	0.09842		mg/Kg					
Ethylbenzene	<0.00200	U	0.0998	0.09973		mg/Kg					
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2203		mg/Kg					
o-Xylene	<0.00200	U	0.0998	0.1058		mg/Kg					

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-13186/5-A
Matrix: Water
Analysis Batch: 13293

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13186

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L		11/29/21 16:00	11/30/21 02:53	1
Toluene	<0.00200	U	0.00200		mg/L		11/29/21 16:00	11/30/21 02:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/L		11/29/21 16:00	11/30/21 02:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L		11/29/21 16:00	11/30/21 02:53	1
o-Xylene	<0.00200	U	0.00200		mg/L		11/29/21 16:00	11/30/21 02:53	1
Xylenes, Total	<0.00400	U	0.00400		mg/L		11/29/21 16:00	11/30/21 02:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	11/29/21 16:00	11/30/21 02:53	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/29/21 16:00	11/30/21 02:53	1

Lab Sample ID: 890-1631-1 MS
Matrix: Solid
Analysis Batch: 13291

Client Sample ID: CS-15@4
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

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

Lab Sample ID: 890-1631-11 MS
Matrix: Solid
Analysis Batch: 13292

Client Sample ID: CS-19@7
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-1631-11 MSD
Matrix: Solid
Analysis Batch: 13292

Client Sample ID: CS-19@7
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

Lab Sample ID: MB 880-13293/70
Matrix: Water
Analysis Batch: 13293

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/L			11/30/21 18:13	1
Toluene	<0.00200	U	0.00200		mg/L			11/30/21 18:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/L			11/30/21 18:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/L			11/30/21 18:13	1
o-Xylene	<0.00200	U	0.00200		mg/L			11/30/21 18:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/L			11/30/21 18:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*		*11/30/21 18:13*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*		*11/30/21 18:13*	*1*

Lab Sample ID: LCS 880-13293/65
Matrix: Water
Analysis Batch: 13293

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1073		mg/L		107	70 - 130		
Toluene			0.100	0.1256		mg/L		126	70 - 130		
Ethylbenzene			0.100	0.1140		mg/L		114	70 - 130		
m-Xylene & p-Xylene			0.200	0.2547		mg/L		127	70 - 130		
o-Xylene			0.100	0.1151		mg/L		115	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

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

Lab Sample ID: LCSD 880-13293/66
Matrix: Water
Analysis Batch: 13293

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			0.100	0.1010		mg/L		101	70 - 130	6	20
Toluene			0.100	0.1215		mg/L		122	70 - 130	3	20
Ethylbenzene			0.100	0.1095		mg/L		109	70 - 130	4	20
m-Xylene & p-Xylene			0.200	0.2427		mg/L		121	70 - 130	5	20
o-Xylene			0.100	0.1105		mg/L		111	70 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-1631-21 MS
Matrix: Solid
Analysis Batch: 13293

Client Sample ID: DUPLICATE-5
Prep Type: Total/NA

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

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

Lab Sample ID: MB 880-13223/1-A
Matrix: Solid
Analysis Batch: 13220

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13223

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		11/24/21 12:36	11/24/21 23:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/24/21 12:36	11/24/21 23:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/24/21 12:36	11/24/21 23:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*151*	*S1+*	*70 - 130*	*11/24/21 12:36*	*11/24/21 23:28*	*1*
o-Terphenyl	*169*	*S1+*	*70 - 130*	*11/24/21 12:36*	*11/24/21 23:28*	*1*

Lab Sample ID: LCS 880-13223/2-A
Matrix: Solid
Analysis Batch: 13220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13223

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	923.3		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1252		mg/Kg		125	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*128*		*70 - 130*

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

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

Lab Sample ID: LCSD 880-13223/3-A
Matrix: Solid
Analysis Batch: 13220

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 13223

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	870.1		mg/Kg		87	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1240		mg/Kg		124	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*122*		*70 - 130*

Lab Sample ID: 890-1613-A-1-F MS
Matrix: Solid
Analysis Batch: 13220

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 13223

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	997	1197		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1168		mg/Kg		117	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: 890-1613-A-1-G MSD
Matrix: Solid
Analysis Batch: 13220

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 13223

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	1217		mg/Kg		122	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	1172		mg/Kg		117	70 - 130	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: MB 880-13300/1-A
Matrix: Solid
Analysis Batch: 13323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13300

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		11/29/21 09:07	11/29/21 11:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 11:37	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/29/21 09:07	11/29/21 11:37	1

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

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

Lab Sample ID: MB 880-13300/1-A
Matrix: Solid
Analysis Batch: 13323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 13300

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	11/29/21 09:07	11/29/21 11:37	1
o-Terphenyl	128		70 - 130	11/29/21 09:07	11/29/21 11:37	1

Lab Sample ID: LCS 880-13300/2-A
Matrix: Solid
Analysis Batch: 13323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 13300

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	839.8		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	936.5		mg/Kg		94	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	140	S1+	70 - 130
o-Terphenyl	140	S1+	70 - 130

Lab Sample ID: 890-1631-1 MS
Matrix: Solid
Analysis Batch: 13323

Client Sample ID: CS-15@4
Prep Type: Total/NA
Prep Batch: 13300

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	499	731.9	F1	mg/Kg		147	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	499	577.4		mg/Kg		110	70 - 130		

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

Lab Sample ID: 890-1631-1 MSD
Matrix: Solid
Analysis Batch: 13323

Client Sample ID: CS-15@4
Prep Type: Total/NA
Prep Batch: 13300

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1 F2	500	534.3	F2	mg/Kg		107	70 - 130	31	20
Diesel Range Organics (Over C10-C28)	<49.9	U	500	567.5		mg/Kg		108	70 - 130	2	20

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

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-13217/1-A
Matrix: Solid
Analysis Batch: 13254

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/24/21 20:42	1

Lab Sample ID: LCS 880-13217/2-A
Matrix: Solid
Analysis Batch: 13254

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	256.8		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-13217/3-A
Matrix: Solid
Analysis Batch: 13254

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	257.0		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-1631-4 MS
Matrix: Solid
Analysis Batch: 13254

Client Sample ID: CS-1 @4
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	333		1240	1574		mg/Kg		100	90 - 110		

Lab Sample ID: 890-1631-4 MSD
Matrix: Solid
Analysis Batch: 13254

Client Sample ID: CS-1 @4
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	333		1240	1566		mg/Kg		99	90 - 110	1	20

Lab Sample ID: MB 880-13218/1-A
Matrix: Solid
Analysis Batch: 13255

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/25/21 13:11	1

Lab Sample ID: LCS 880-13218/2-A
Matrix: Solid
Analysis Batch: 13255

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	248.0		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-13218/3-A
Matrix: Solid
Analysis Batch: 13255

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	247.4		mg/Kg		99	90 - 110	0	20

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-1631-14 MS
Matrix: Solid
Analysis Batch: 13255

Client Sample ID: CS-SW-16@5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	412		249	636.2		mg/Kg		90	90 - 110		

Lab Sample ID: 890-1631-14 MSD
Matrix: Solid
Analysis Batch: 13255

Client Sample ID: CS-SW-16@5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	412		249	636.3		mg/Kg		90	90 - 110	0	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

GC VOA

Prep Batch: 13159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-1	CS-15@4	Total/NA	Solid	5035	
890-1631-2	CS-16 @4	Total/NA	Solid	5035	
890-1631-3	CS-17 @3	Total/NA	Solid	5035	
890-1631-4	CS-1 @4	Total/NA	Solid	5035	
890-1631-5	CS-3 @4	Total/NA	Solid	5035	
890-1631-6	CS-SW-11@3.5	Total/NA	Solid	5035	
890-1631-7	CS-SW-12@3.5	Total/NA	Solid	5035	
890-1631-8	CS-SW13@3.5	Total/NA	Solid	5035	
890-1631-9	CS-SW 14@3.5	Total/NA	Solid	5035	
890-1631-10	CS-18 @7	Total/NA	Solid	5035	
MB 880-13159/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13159/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13159/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1631-1 MSD	CS-15@4	Total/NA	Solid	5035	

Prep Batch: 13160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-11	CS-19@7	Total/NA	Solid	5035	
890-1631-12	CS-20@7	Total/NA	Solid	5035	
890-1631-13	CS-SW-15@5	Total/NA	Solid	5035	
890-1631-14	CS-SW-16@5	Total/NA	Solid	5035	
890-1631-15	CS-SW-17@5	Total/NA	Solid	5035	
890-1631-16	CS-SW-18@5	Total/NA	Solid	5035	
890-1631-17	CS-21@17	Total/NA	Solid	5035	
890-1631-18	CS-22@17	Total/NA	Solid	5035	
890-1631-19	CS-23@17	Total/NA	Solid	5035	
890-1631-20	DUPLICATE-4	Total/NA	Solid	5035	
MB 880-13160/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13160/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13160/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 13161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-21	DUPLICATE-5	Total/NA	Solid	5035	
MB 880-13161/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-13161/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-13161/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1631-21 MSD	DUPLICATE-5	Total/NA	Solid	5035	

Prep Batch: 13186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-13186/5-A	Method Blank	Total/NA	Water	5035	

Analysis Batch: 13291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-1	CS-15@4	Total/NA	Solid	8021B	13159
890-1631-2	CS-16 @4	Total/NA	Solid	8021B	13159
890-1631-3	CS-17 @3	Total/NA	Solid	8021B	13159
890-1631-4	CS-1 @4	Total/NA	Solid	8021B	13159
890-1631-5	CS-3 @4	Total/NA	Solid	8021B	13159
890-1631-6	CS-SW-11@3.5	Total/NA	Solid	8021B	13159

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

GC VOA (Continued)

Analysis Batch: 13291 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-7	CS-SW-12@3.5	Total/NA	Solid	8021B	13159
890-1631-8	CS-SW13@3.5	Total/NA	Solid	8021B	13159
890-1631-9	CS-SW 14@3.5	Total/NA	Solid	8021B	13159
890-1631-10	CS-18 @7	Total/NA	Solid	8021B	13159
MB 880-13159/5-A	Method Blank	Total/NA	Solid	8021B	13159
LCS 880-13159/1-A	Lab Control Sample	Total/NA	Solid	8021B	13159
LCSD 880-13159/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13159
890-1631-1 MS	CS-15@4	Total/NA	Solid	8021B	
890-1631-1 MSD	CS-15@4	Total/NA	Solid	8021B	13159

Analysis Batch: 13292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-11	CS-19@7	Total/NA	Solid	8021B	13160
890-1631-12	CS-20@7	Total/NA	Solid	8021B	13160
890-1631-13	CS-SW-15@5	Total/NA	Solid	8021B	13160
890-1631-14	CS-SW-16@5	Total/NA	Solid	8021B	13160
890-1631-15	CS-SW-17@5	Total/NA	Solid	8021B	13160
890-1631-16	CS-SW-18@5	Total/NA	Solid	8021B	13160
890-1631-17	CS-21@17	Total/NA	Solid	8021B	13160
890-1631-18	CS-22@17	Total/NA	Solid	8021B	13160
890-1631-19	CS-23@17	Total/NA	Solid	8021B	13160
890-1631-20	DUPLICATE-4	Total/NA	Solid	8021B	13160
MB 880-13160/5-A	Method Blank	Total/NA	Solid	8021B	13160
LCS 880-13160/1-A	Lab Control Sample	Total/NA	Solid	8021B	13160
LCSD 880-13160/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13160
890-1631-11 MS	CS-19@7	Total/NA	Solid	8021B	
890-1631-11 MSD	CS-19@7	Total/NA	Solid	8021B	

Analysis Batch: 13293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-21	DUPLICATE-5	Total/NA	Solid	8021B	13161
890-1631-22	TB-11-23-21	Total/NA	Water	8021B	
MB 880-13161/5-A	Method Blank	Total/NA	Solid	8021B	13161
MB 880-13186/5-A	Method Blank	Total/NA	Water	8021B	13186
MB 880-13293/70	Method Blank	Total/NA	Water	8021B	
LCS 880-13161/1-A	Lab Control Sample	Total/NA	Solid	8021B	13161
LCS 880-13293/65	Lab Control Sample	Total/NA	Water	8021B	
LCSD 880-13161/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	13161
LCSD 880-13293/66	Lab Control Sample Dup	Total/NA	Water	8021B	
890-1631-21 MS	DUPLICATE-5	Total/NA	Solid	8021B	
890-1631-21 MSD	DUPLICATE-5	Total/NA	Solid	8021B	13161

Analysis Batch: 13453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-1	CS-15@4	Total/NA	Solid	Total BTEX	
890-1631-2	CS-16 @4	Total/NA	Solid	Total BTEX	
890-1631-3	CS-17 @3	Total/NA	Solid	Total BTEX	
890-1631-4	CS-1 @4	Total/NA	Solid	Total BTEX	
890-1631-5	CS-3 @4	Total/NA	Solid	Total BTEX	
890-1631-6	CS-SW-11@3.5	Total/NA	Solid	Total BTEX	
890-1631-7	CS-SW-12@3.5	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

GC VOA (Continued)

Analysis Batch: 13453 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-8	CS-SW13@3.5	Total/NA	Solid	Total BTEX	
890-1631-9	CS-SW 14@3.5	Total/NA	Solid	Total BTEX	
890-1631-10	CS-18 @7	Total/NA	Solid	Total BTEX	
890-1631-11	CS-19@7	Total/NA	Solid	Total BTEX	
890-1631-12	CS-20@7	Total/NA	Solid	Total BTEX	
890-1631-13	CS-SW-15@5	Total/NA	Solid	Total BTEX	
890-1631-14	CS-SW-16@5	Total/NA	Solid	Total BTEX	
890-1631-15	CS-SW-17@5	Total/NA	Solid	Total BTEX	
890-1631-16	CS-SW-18@5	Total/NA	Solid	Total BTEX	
890-1631-17	CS-21@17	Total/NA	Solid	Total BTEX	
890-1631-18	CS-22@17	Total/NA	Solid	Total BTEX	
890-1631-19	CS-23@17	Total/NA	Solid	Total BTEX	
890-1631-20	DUPLICATE-4	Total/NA	Solid	Total BTEX	
890-1631-21	DUPLICATE-5	Total/NA	Solid	Total BTEX	
890-1631-22	TB-11-23-21	Total/NA	Water	Total BTEX	

GC Semi VOA

Analysis Batch: 13220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-21	DUPLICATE-5	Total/NA	Solid	8015B NM	13223
MB 880-13223/1-A	Method Blank	Total/NA	Solid	8015B NM	13223
LCS 880-13223/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13223
LCSD 880-13223/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	13223
890-1613-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	13223
890-1613-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	13223

Prep Batch: 13223

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-21	DUPLICATE-5	Total/NA	Solid	8015NM Prep	
MB 880-13223/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13223/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-13223/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1613-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1613-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 13300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-1	CS-15@4	Total/NA	Solid	8015NM Prep	
890-1631-2	CS-16 @4	Total/NA	Solid	8015NM Prep	
890-1631-3	CS-17 @3	Total/NA	Solid	8015NM Prep	
890-1631-4	CS-1 @4	Total/NA	Solid	8015NM Prep	
890-1631-5	CS-3 @4	Total/NA	Solid	8015NM Prep	
890-1631-6	CS-SW-11@3.5	Total/NA	Solid	8015NM Prep	
890-1631-7	CS-SW-12@3.5	Total/NA	Solid	8015NM Prep	
890-1631-8	CS-SW13@3.5	Total/NA	Solid	8015NM Prep	
890-1631-9	CS-SW 14@3.5	Total/NA	Solid	8015NM Prep	
890-1631-10	CS-18 @7	Total/NA	Solid	8015NM Prep	
890-1631-11	CS-19@7	Total/NA	Solid	8015NM Prep	
890-1631-12	CS-20@7	Total/NA	Solid	8015NM Prep	
890-1631-13	CS-SW-15@5	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

GC Semi VOA (Continued)

Prep Batch: 13300 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-14	CS-SW-16@5	Total/NA	Solid	8015NM Prep	
890-1631-15	CS-SW-17@5	Total/NA	Solid	8015NM Prep	
890-1631-16	CS-SW-18@5	Total/NA	Solid	8015NM Prep	
890-1631-17	CS-21@17	Total/NA	Solid	8015NM Prep	
890-1631-18	CS-22@17	Total/NA	Solid	8015NM Prep	
890-1631-19	CS-23@17	Total/NA	Solid	8015NM Prep	
890-1631-20	DUPLICATE-4	Total/NA	Solid	8015NM Prep	
MB 880-13300/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-13300/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
890-1631-1 MS	CS-15@4	Total/NA	Solid	8015NM Prep	
890-1631-1 MSD	CS-15@4	Total/NA	Solid	8015NM Prep	

Analysis Batch: 13323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-1	CS-15@4	Total/NA	Solid	8015B NM	13300
890-1631-2	CS-16 @4	Total/NA	Solid	8015B NM	13300
890-1631-3	CS-17 @3	Total/NA	Solid	8015B NM	13300
890-1631-4	CS-1 @4	Total/NA	Solid	8015B NM	13300
890-1631-5	CS-3 @4	Total/NA	Solid	8015B NM	13300
890-1631-6	CS-SW-11@3.5	Total/NA	Solid	8015B NM	13300
890-1631-7	CS-SW-12@3.5	Total/NA	Solid	8015B NM	13300
890-1631-8	CS-SW13@3.5	Total/NA	Solid	8015B NM	13300
890-1631-9	CS-SW 14@3.5	Total/NA	Solid	8015B NM	13300
890-1631-10	CS-18 @7	Total/NA	Solid	8015B NM	13300
890-1631-11	CS-19@7	Total/NA	Solid	8015B NM	13300
890-1631-12	CS-20@7	Total/NA	Solid	8015B NM	13300
890-1631-13	CS-SW-15@5	Total/NA	Solid	8015B NM	13300
890-1631-14	CS-SW-16@5	Total/NA	Solid	8015B NM	13300
890-1631-15	CS-SW-17@5	Total/NA	Solid	8015B NM	13300
890-1631-16	CS-SW-18@5	Total/NA	Solid	8015B NM	13300
890-1631-17	CS-21@17	Total/NA	Solid	8015B NM	13300
890-1631-18	CS-22@17	Total/NA	Solid	8015B NM	13300
890-1631-19	CS-23@17	Total/NA	Solid	8015B NM	13300
890-1631-20	DUPLICATE-4	Total/NA	Solid	8015B NM	13300
MB 880-13300/1-A	Method Blank	Total/NA	Solid	8015B NM	13300
LCS 880-13300/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	13300
890-1631-1 MS	CS-15@4	Total/NA	Solid	8015B NM	13300
890-1631-1 MSD	CS-15@4	Total/NA	Solid	8015B NM	13300

Analysis Batch: 13448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-1	CS-15@4	Total/NA	Solid	8015 NM	
890-1631-2	CS-16 @4	Total/NA	Solid	8015 NM	
890-1631-3	CS-17 @3	Total/NA	Solid	8015 NM	
890-1631-4	CS-1 @4	Total/NA	Solid	8015 NM	
890-1631-5	CS-3 @4	Total/NA	Solid	8015 NM	
890-1631-6	CS-SW-11@3.5	Total/NA	Solid	8015 NM	
890-1631-7	CS-SW-12@3.5	Total/NA	Solid	8015 NM	
890-1631-8	CS-SW13@3.5	Total/NA	Solid	8015 NM	
890-1631-9	CS-SW 14@3.5	Total/NA	Solid	8015 NM	
890-1631-10	CS-18 @7	Total/NA	Solid	8015 NM	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

GC Semi VOA (Continued)

Analysis Batch: 13448 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-11	CS-19@7	Total/NA	Solid	8015 NM	
890-1631-12	CS-20@7	Total/NA	Solid	8015 NM	
890-1631-13	CS-SW-15@5	Total/NA	Solid	8015 NM	
890-1631-14	CS-SW-16@5	Total/NA	Solid	8015 NM	
890-1631-15	CS-SW-17@5	Total/NA	Solid	8015 NM	
890-1631-16	CS-SW-18@5	Total/NA	Solid	8015 NM	
890-1631-17	CS-21@17	Total/NA	Solid	8015 NM	
890-1631-18	CS-22@17	Total/NA	Solid	8015 NM	
890-1631-19	CS-23@17	Total/NA	Solid	8015 NM	
890-1631-20	DUPLICATE-4	Total/NA	Solid	8015 NM	
890-1631-21	DUPLICATE-5	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 13217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-1	CS-15@4	Soluble	Solid	DI Leach	
890-1631-2	CS-16 @4	Soluble	Solid	DI Leach	
890-1631-3	CS-17 @3	Soluble	Solid	DI Leach	
890-1631-4	CS-1 @4	Soluble	Solid	DI Leach	
890-1631-5	CS-3 @4	Soluble	Solid	DI Leach	
890-1631-6	CS-SW-11@3.5	Soluble	Solid	DI Leach	
890-1631-7	CS-SW-12@3.5	Soluble	Solid	DI Leach	
890-1631-8	CS-SW13@3.5	Soluble	Solid	DI Leach	
890-1631-9	CS-SW 14@3.5	Soluble	Solid	DI Leach	
890-1631-10	CS-18 @7	Soluble	Solid	DI Leach	
890-1631-11	CS-19@7	Soluble	Solid	DI Leach	
890-1631-12	CS-20@7	Soluble	Solid	DI Leach	
890-1631-13	CS-SW-15@5	Soluble	Solid	DI Leach	
MB 880-13217/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-13217/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-13217/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1631-4 MS	CS-1 @4	Soluble	Solid	DI Leach	
890-1631-4 MSD	CS-1 @4	Soluble	Solid	DI Leach	

Leach Batch: 13218

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-14	CS-SW-16@5	Soluble	Solid	DI Leach	
890-1631-15	CS-SW-17@5	Soluble	Solid	DI Leach	
890-1631-16	CS-SW-18@5	Soluble	Solid	DI Leach	
890-1631-17	CS-21@17	Soluble	Solid	DI Leach	
890-1631-18	CS-22@17	Soluble	Solid	DI Leach	
890-1631-19	CS-23@17	Soluble	Solid	DI Leach	
890-1631-20	DUPLICATE-4	Soluble	Solid	DI Leach	
890-1631-21	DUPLICATE-5	Soluble	Solid	DI Leach	
MB 880-13218/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-13218/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-13218/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1631-14 MS	CS-SW-16@5	Soluble	Solid	DI Leach	
890-1631-14 MSD	CS-SW-16@5	Soluble	Solid	DI Leach	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

HPLC/IC

Analysis Batch: 13254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-1	CS-15@4	Soluble	Solid	300.0	13217
890-1631-2	CS-16 @4	Soluble	Solid	300.0	13217
890-1631-3	CS-17 @3	Soluble	Solid	300.0	13217
890-1631-4	CS-1 @4	Soluble	Solid	300.0	13217
890-1631-5	CS-3 @4	Soluble	Solid	300.0	13217
890-1631-6	CS-SW-11@3.5	Soluble	Solid	300.0	13217
890-1631-7	CS-SW-12@3.5	Soluble	Solid	300.0	13217
890-1631-8	CS-SW13@3.5	Soluble	Solid	300.0	13217
890-1631-9	CS-SW 14@3.5	Soluble	Solid	300.0	13217
890-1631-10	CS-18 @7	Soluble	Solid	300.0	13217
890-1631-11	CS-19@7	Soluble	Solid	300.0	13217
890-1631-12	CS-20@7	Soluble	Solid	300.0	13217
890-1631-13	CS-SW-15@5	Soluble	Solid	300.0	13217
MB 880-13217/1-A	Method Blank	Soluble	Solid	300.0	13217
LCS 880-13217/2-A	Lab Control Sample	Soluble	Solid	300.0	13217
LCSD 880-13217/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	13217
890-1631-4 MS	CS-1 @4	Soluble	Solid	300.0	13217
890-1631-4 MSD	CS-1 @4	Soluble	Solid	300.0	13217

Analysis Batch: 13255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1631-14	CS-SW-16@5	Soluble	Solid	300.0	13218
890-1631-15	CS-SW-17@5	Soluble	Solid	300.0	13218
890-1631-16	CS-SW-18@5	Soluble	Solid	300.0	13218
890-1631-17	CS-21@17	Soluble	Solid	300.0	13218
890-1631-18	CS-22@17	Soluble	Solid	300.0	13218
890-1631-19	CS-23@17	Soluble	Solid	300.0	13218
890-1631-20	DUPLICATE-4	Soluble	Solid	300.0	13218
890-1631-21	DUPLICATE-5	Soluble	Solid	300.0	13218
MB 880-13218/1-A	Method Blank	Soluble	Solid	300.0	13218
LCS 880-13218/2-A	Lab Control Sample	Soluble	Solid	300.0	13218
LCSD 880-13218/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	13218
890-1631-14 MS	CS-SW-16@5	Soluble	Solid	300.0	13218
890-1631-14 MSD	CS-SW-16@5	Soluble	Solid	300.0	13218

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-15@4

Date Collected: 11/23/21 09:00
Date Received: 11/23/21 16:59

Lab Sample ID: 890-1631-1

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			5.02 g	5 mL	13159	11/24/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13291	11/29/21 12:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 14:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13217	11/24/21 11:56	CA	XEN MID
Soluble	Analysis	300.0		5			13254	11/24/21 22:25	SC	XEN MID

Client Sample ID: CS-16 @4

Date Collected: 11/23/21 09:30
Date Received: 11/23/21 16:59

Lab Sample ID: 890-1631-2

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			5.03 g	5 mL	13159	11/24/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13291	11/29/21 12:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 15:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13217	11/24/21 11:56	CA	XEN MID
Soluble	Analysis	300.0		5			13254	11/24/21 22:32	SC	XEN MID

Client Sample ID: CS-17 @3

Date Collected: 11/23/21 10:00
Date Received: 11/23/21 16:59

Lab Sample ID: 890-1631-3

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			5.03 g	5 mL	13159	11/24/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13291	11/29/21 12:55	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 15:37	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13217	11/24/21 11:56	CA	XEN MID
Soluble	Analysis	300.0		5			13254	11/25/21 10:51	SC	XEN MID

Client Sample ID: CS-1 @4

Date Collected: 11/23/21 10:30
Date Received: 11/23/21 16:59

Lab Sample ID: 890-1631-4

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	13159	11/24/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13291	11/29/21 13:16	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-1 @4

Lab Sample ID: 890-1631-4
Matrix: Solid
Date Collected: 11/23/21 10:30
Date Received: 11/23/21 16:59

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			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 15:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	13217	11/24/21 11:56	CA	XEN MID
Soluble	Analysis	300.0		5			13254	11/25/21 10:59	SC	XEN MID

Client Sample ID: CS-3 @4

Lab Sample ID: 890-1631-5
Matrix: Solid
Date Collected: 11/23/21 11:00
Date Received: 11/23/21 16:59

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	13159	11/24/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13291	11/29/21 13:36	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 16:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	13217	11/24/21 11:56	CA	XEN MID
Soluble	Analysis	300.0		5			13254	11/25/21 11:21	SC	XEN MID

Client Sample ID: CS-SW-11@3.5

Lab Sample ID: 890-1631-6
Matrix: Solid
Date Collected: 11/23/21 11:15
Date Received: 11/23/21 16:59

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	13159	11/24/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13291	11/29/21 13:57	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 16:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	13217	11/24/21 11:56	CA	XEN MID
Soluble	Analysis	300.0		5			13254	11/25/21 11:28	SC	XEN MID

Client Sample ID: CS-SW-12@3.5

Lab Sample ID: 890-1631-7
Matrix: Solid
Date Collected: 11/23/21 11:20
Date Received: 11/23/21 16:59

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	13159	11/24/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13291	11/29/21 14:17	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 16:58	AJ	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-SW-12@3.5

Lab Sample ID: 890-1631-7
Matrix: Solid
Date Collected: 11/23/21 11:20
Date Received: 11/23/21 16:59

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	13217	11/24/21 11:56	CA	XEN MID
Soluble	Analysis	300.0		5			13254	11/25/21 11:50	SC	XEN MID

Client Sample ID: CS-SW13@3.5

Lab Sample ID: 890-1631-8
Matrix: Solid
Date Collected: 11/23/21 11:25
Date Received: 11/23/21 16:59

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	13159	11/24/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13291	11/29/21 14:37	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 17:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	13217	11/24/21 11:56	CA	XEN MID
Soluble	Analysis	300.0		5			13254	11/25/21 11:58	SC	XEN MID

Client Sample ID: CS-SW 14@3.5

Lab Sample ID: 890-1631-9
Matrix: Solid
Date Collected: 11/23/21 13:00
Date Received: 11/23/21 16:59

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	13159	11/24/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13291	11/29/21 14:58	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	13217	11/24/21 11:56	CA	XEN MID
Soluble	Analysis	300.0		5			13254	11/25/21 12:05	SC	XEN MID

Client Sample ID: CS-18 @7

Lab Sample ID: 890-1631-10
Matrix: Solid
Date Collected: 11/23/21 13:05
Date Received: 11/23/21 16:59

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	13159	11/24/21 10:09	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13291	11/29/21 15:18	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13217	11/24/21 11:56	CA	XEN MID
Soluble	Analysis	300.0		1			13254	11/28/21 13:35	SC	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-19@7

Date Collected: 11/23/21 13:10
Date Received: 11/23/21 16:59

Lab Sample ID: 890-1631-11
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			4.95 g	5 mL	13160	11/24/21 10:13	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13292	11/29/21 12:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 18:39	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	13217	11/24/21 11:56	CA	XEN MID
Soluble	Analysis	300.0		5			13254	11/25/21 12:20	SC	XEN MID

Client Sample ID: CS-20@7

Date Collected: 11/23/21 13:15
Date Received: 11/23/21 16:59

Lab Sample ID: 890-1631-12
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			4.99 g	5 mL	13160	11/24/21 10:13	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13292	11/29/21 12:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 19:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	13217	11/24/21 11:56	CA	XEN MID
Soluble	Analysis	300.0		5			13254	11/25/21 12:27	SC	XEN MID

Client Sample ID: CS-SW-15@5

Date Collected: 11/23/21 13:20
Date Received: 11/23/21 16:59

Lab Sample ID: 890-1631-13
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			4.96 g	5 mL	13160	11/24/21 10:13	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13292	11/29/21 13:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 19:20	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	13217	11/24/21 11:56	CA	XEN MID
Soluble	Analysis	300.0		5			13254	11/25/21 12:34	SC	XEN MID

Client Sample ID: CS-SW-16@5

Date Collected: 11/23/21 13:25
Date Received: 11/23/21 16:59

Lab Sample ID: 890-1631-14
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			5.01 g	5 mL	13160	11/24/21 10:13	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13292	11/29/21 13:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-SW-16@5

Lab Sample ID: 890-1631-14
Matrix: Solid
Date Collected: 11/23/21 13:25
Date Received: 11/23/21 16:59

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			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 19:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	13218	11/24/21 12:02	CA	XEN MID
Soluble	Analysis	300.0		1			13255	11/25/21 13:33	SC	XEN MID

Client Sample ID: CS-SW-17@5

Lab Sample ID: 890-1631-15
Matrix: Solid
Date Collected: 11/23/21 13:30
Date Received: 11/23/21 16:59

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	13160	11/24/21 10:13	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13292	11/29/21 13:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 20:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	13218	11/24/21 12:02	CA	XEN MID
Soluble	Analysis	300.0		1			13255	11/25/21 13:55	SC	XEN MID

Client Sample ID: CS-SW-18@5

Lab Sample ID: 890-1631-16
Matrix: Solid
Date Collected: 11/23/21 15:30
Date Received: 11/23/21 16:59

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	13160	11/24/21 10:13	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13292	11/29/21 14:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 20:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	13218	11/24/21 12:02	CA	XEN MID
Soluble	Analysis	300.0		1			13255	11/25/21 14:03	SC	XEN MID

Client Sample ID: CS-21@17

Lab Sample ID: 890-1631-17
Matrix: Solid
Date Collected: 11/23/21 15:35
Date Received: 11/23/21 16:59

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	13160	11/24/21 10:13	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13292	11/29/21 14:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 20:41	AJ	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: CS-21@17

Lab Sample ID: 890-1631-17
Matrix: Solid
Date Collected: 11/23/21 15:35
Date Received: 11/23/21 16:59

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 g	50 mL	13218	11/24/21 12:02	CA	XEN MID
Soluble	Analysis	300.0		5			13255	11/25/21 14:10	SC	XEN MID

Client Sample ID: CS-22@17

Lab Sample ID: 890-1631-18
Matrix: Solid
Date Collected: 11/23/21 15:40
Date Received: 11/23/21 16:59

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	13160	11/24/21 10:13	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13292	11/29/21 14:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 21:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13218	11/24/21 12:02	CA	XEN MID
Soluble	Analysis	300.0		5			13255	11/25/21 14:17	SC	XEN MID

Client Sample ID: CS-23@17

Lab Sample ID: 890-1631-19
Matrix: Solid
Date Collected: 11/23/21 00:00
Date Received: 11/23/21 16:59

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	13160	11/24/21 10:13	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13292	11/29/21 15:11	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 21:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	13218	11/24/21 12:02	CA	XEN MID
Soluble	Analysis	300.0		10			13255	11/25/21 15:29	SC	XEN MID

Client Sample ID: DUPLICATE-4

Lab Sample ID: 890-1631-20
Matrix: Solid
Date Collected: 11/23/21 00:00
Date Received: 11/23/21 16:59

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	13160	11/24/21 10:13	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13292	11/29/21 15:31	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13300	11/29/21 09:07	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13323	11/29/21 21:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	13218	11/24/21 12:02	CA	XEN MID
Soluble	Analysis	300.0		1			13255	11/25/21 15:37	SC	XEN MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Client Sample ID: DUPLICATE-5

Lab Sample ID: 890-1631-21

Date Collected: 11/23/21 00:00
Matrix: Solid
Date Received: 11/23/21 16:59

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	13161	11/24/21 10:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	13293	11/29/21 12:52	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			13448	11/30/21 10:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	13223	11/24/21 12:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			13220	11/25/21 08:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	13218	11/24/21 12:02	CA	XEN MID
Soluble	Analysis	300.0		5			13255	11/25/21 15:44	SC	XEN MID

Client Sample ID: TB-11-23-21

Lab Sample ID: 890-1631-22

Date Collected: 11/23/21 00:00
Matrix: Water
Date Received: 11/23/21 16:59

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8021B		1	5 mL	5 mL	13293	11/30/21 19:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			13453	11/30/21 11:02	AJ	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

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
Total BTEX		Water	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5030B	Purge and Trap	SW846	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 890-1631-1
SDG: Malaga NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1631-1	CS-15@4	Solid	11/23/21 09:00	11/23/21 16:59	4
890-1631-2	CS-16 @4	Solid	11/23/21 09:30	11/23/21 16:59	4
890-1631-3	CS-17 @3	Solid	11/23/21 10:00	11/23/21 16:59	3
890-1631-4	CS-1 @4	Solid	11/23/21 10:30	11/23/21 16:59	4
890-1631-5	CS-3 @4	Solid	11/23/21 11:00	11/23/21 16:59	4
890-1631-6	CS-SW-11@3.5	Solid	11/23/21 11:15	11/23/21 16:59	3.5
890-1631-7	CS-SW-12@3.5	Solid	11/23/21 11:20	11/23/21 16:59	3.5
890-1631-8	CS-SW13@3.5	Solid	11/23/21 11:25	11/23/21 16:59	3.5
890-1631-9	CS-SW 14@3.5	Solid	11/23/21 13:00	11/23/21 16:59	3.5
890-1631-10	CS-18 @7	Solid	11/23/21 13:05	11/23/21 16:59	7
890-1631-11	CS-19@7	Solid	11/23/21 13:10	11/23/21 16:59	7
890-1631-12	CS-20@7	Solid	11/23/21 13:15	11/23/21 16:59	7
890-1631-13	CS-SW-15@5	Solid	11/23/21 13:20	11/23/21 16:59	5
890-1631-14	CS-SW-16@5	Solid	11/23/21 13:25	11/23/21 16:59	5
890-1631-15	CS-SW-17@5	Solid	11/23/21 13:30	11/23/21 16:59	5
890-1631-16	CS-SW-18@5	Solid	11/23/21 15:30	11/23/21 16:59	5
890-1631-17	CS-21@17	Solid	11/23/21 15:35	11/23/21 16:59	17
890-1631-18	CS-22@17	Solid	11/23/21 15:40	11/23/21 16:59	17
890-1631-19	CS-23@17	Solid	11/23/21 00:00	11/23/21 16:59	17
890-1631-20	DUPLICATE-4	Solid	11/23/21 00:00	11/23/21 16:59	
890-1631-21	DUPLICATE-5	Solid	11/23/21 00:00	11/23/21 16:59	
890-1631-22	TB-11-23-21	Water	11/23/21 00:00	11/23/21 16:59	

Chain of Custody

eurofins | Environment Testing Xenco

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

Work Order No: 1631

www.xenco.com Page 1 of 3

Project Manager:	Jared Steffel	Bill to: (if different)	Ike Tavarez
Company Name:	TRC	Company Name:	Conoco Phillips
Address:	10 Desta Dr	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432-238-3003	Email:	Misti, Jared, Ike

Work Order Comments
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: NM
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Col Vasquez #1 TB	Turn Around	☐ Routine ☑ Rush 24hr
Project Number:			
Project Location:	Malaga, NM	Due Date:	
Sampler's Name:	Misti Bryant	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TAM-007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	0.2
Total Containers:		Corrected Temperature:	0.0

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: X BTEX 8021B	X TPH 8015M	X Chlorides	Sample Comments
CS-15 @4'	S	11/23/21	0900	4'	C	1		X	X	X	
CS-16 @4'			0930	4'							
CS-17 @3'			1000	3'							
CS-1 @4'			1030	4'							
CS-3 @4'			1100	4'							
CS-SW-11 @3.5'			1110	3.5'							
CS-SW-12 @3.5'			1115	3.5'							
CS-SW-13 @3.5'			1120	3.5'							
CS-SW-14 @3.5'			1125	3.5'							
CS-18 @7'			1300	7'							

890-1631 Chain of Custody

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

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 Misti Bryant		11/23/21 4:59	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

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

Work Order No: ____

www.xenco.com Page 2 of 3

Project Manager:	Jared Stoffel	Bill to: (if different)	Ike Tavarez
Company Name:	TRC	Company Name:	ConocoPhillips
Address:	10 Desta Dr.	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432 238 3003	Email:	Misti, Jared, Ike

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: NM
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	COP Vasquez #1TB
Project Number:	
Project Location:	Malaga, NM
Sampler's Name:	Misti Bryant
PO #:	

Turn Around: ☐ Routine ☑ Rush 24hr
Due Date:
TAT starts the day received by the lab, if received by 4:30pm

SAMPLE RECEIPT	Temp Blank: (Yes) No	Wet Ice: (Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID: T-NM-007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor: -0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading: 0.2
Total Containers:		Corrected Temperature: 0.0

ANALYSIS REQUEST (Parameters): BTEX 8021B; TPH 8015M; Chloride

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	BTEX 8021B	TPH 8015M	Chloride	Sample Comments
CS-19 @ 7'	S	11/23/21	1305	7'	C	1	X	X	X	
CS-20 @ 7'	↓	↓	1310	7'	↓	↓	↓	↓	↓	
CS-SW-15 @ 5'	↓	↓	1315	5'	↓	↓	↓	↓	↓	
CS-SW-16 @ 5'	↓	↓	1320	5'	↓	↓	↓	↓	↓	
CS-SW-17 @ 5'	↓	↓	1325	5'	↓	↓	↓	↓	↓	
CS-SW-18 @ 5'	↓	↓	1330	5'	↓	↓	↓	↓	↓	
CS-21 @ 17'	↓	↓	1530	17'	↓	↓	↓	↓	↓	
CS-22 @ 17'	↓	↓	1535	17'	↓	↓	↓	↓	↓	
CS-23 @ 17'	↓	↓	1540	17'	↓	↓	↓	↓	↓	
Duplicate-4	↓	↓	—	—	—	1	↓	↓	↓	

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Misti Bryant	[signature]	11/23/21 5:00	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020.2

eurofins | Environment Testing Xenco

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 3 of 3

Project Manager:	Jared Staffa	Bill to: (if different)	Ike Tavarez
Company Name:	TRC	Company Name:	Conoco Phillips
Address:	10 Desta Dr.	Address:	
City, State ZIP:	Midland TX 79705	City, State ZIP:	
Phone:	432-238-3003	Email:	Misti, Jared, Ike

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: NM
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	GOP Vasquez #1 TB	Turn Around	
Project Number:		☐ Routine ☑ Rush 24hr	
Project Location:	Malaga, NM	Due Date:	
Sampler's Name:	Misti Bryant	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	T-rm-007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	0.2	
Total Containers:		Corrected Temperature:	0.0	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX 8021B	TPH 8015M	Chlorides
Duplicate-5	S	11/23/21	—	—	—	1		X	X	X
TB 11-23-21	W	—	—	—	—	2		X	—	—

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Misti Bryant		11/23/21 5:00	2		
3			4		
5			6		

Revised Date 08/25/2020 Rev. 2020.2

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Phone. 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-522 1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 3
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1631-1
Address: 1211 W Florida Ave	Due Date Requested: 11/29/2021			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: COP Vasqueze #1 TB	Project #: 88000402			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8016NM_S_Prep Full TPH	8021B/5035FP_Calc BTEX - LL	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	Total_BTEX_GCV	8021B/5030B BTEX	Total Number of containers	Special Instructions/Note.
			Preservation Code:											
CS-15@4 (890-1631-1)	11/23/21	09 00 Mountain		Solid			X	X	X	X	X		1	
CS-16 @4 (890-1631-2)	11/23/21	09 30 Mountain		Solid			X	X	X	X	X		1	
CS-17 @3 (890-1631-3)	11/23/21	10 00 Mountain		Solid			X	X	X	X	X		1	
CS-1 @4 (890-1631-4)	11/23/21	10 30 Mountain		Solid			X	X	X	X	X		1	
CS-3 @4 (890-1631-5)	11/23/21	11 00 Mountain		Solid			X	X	X	X	X		1	
CS-SW-11@3 5 (890-1631-6)	11/23/21	11 15 Mountain		Solid			X	X	X	X	X		1	
CS-SW-12@3 5 (890-1631-7)	11/23/21	11 20 Mountain		Solid			X	X	X	X	X		1	
CS-SW13@3 5 (890-1631-8)	11/23/21	11 25 Mountain		Solid			X	X	X	X	X		1	
CS-SW 14@3 5 (890-1631-9)	11/23/21	13 00 Mountain		Solid			X	X	X	X	X		1	

Note Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by	Date	Time	Method of Shipment:

Relinquished by: Cee Sup 11.24.21	Date/Time	Company	Received by: Kramer	Date/Time: 11 24 21	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time 1210	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 3.8/3.9

Ver: 06/08/2021

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone. 575-988-3199 Fax 575-988-3199

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-522 2
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset com	State of Origin: New Mexico	Page: Page 2 of 3
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1631-1
Address: 1211 W Florida Ave	Due Date Requested: 11/29/2021			
City: Midland	TAT Requested (days):			
State Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: COP Vasqueze #1 TB	Project #: 88000402			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8016NM_S_Prep Full TPH	8021B/6036FP_Calc BTEX - LL	300_ORGFM_28D/DI_LEACH Chloride	8015MOD_Calc	Total_BTEX_GCV	8021B/6030B BTEX	Total Number of containers	Special Instructions/Note:
Preservation Code:														
CS-18 @7 (890-1631-10)	11/23/21	13 05 Mountain		Solid			X	X	X	X	X		1	
CS-19@7 (890-1631-11)	11/23/21	13 10 Mountain		Solid			X	X	X	X	X		1	
CS-20@7 (890-1631-12)	11/23/21	13 15 Mountain		Solid			X	X	X	X	X		1	
CS-SW-15@5 (890-1631-13)	11/23/21	13 20 Mountain		Solid			X	X	X	X	X		1	
CS-SW-16@5 (890-1631-14)	11/23/21	13 25 Mountain		Solid			X	X	X	X	X		1	
CS-SW-17@5 (890-1631-15)	11/23/21	13 30 Mountain		Solid			X	X	X	X	X		1	
CS-SW-18@5 (890-1631-16)	11/23/21	15 30 Mountain		Solid			X	X	X	X	X		1	
CS-21@17 (890-1631-17)	11/23/21	15 35 Mountain		Solid			X	X	X	X	X		1	
CS-22@17 (890-1631-18)	11/23/21	15 40 Mountain		Solid			X	X	X	X	X		1	

Note Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested I II, III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by	Date	Time	Method of Shipment:
Relinquished by: 11-24-21	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer Jessica	Carrier Tracking No(s):	COC No: 890-522 3
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 3 of 3
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Texas		Job #: 890-1631-1
Address: 1211 W Florida Ave, ,	Due Date Requested: 11/29/2021			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: COP Vasqueze #1 TB	Project #: 88000402			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8016MOD_NM/8016NM_S_Prep Full TPH	8021B/5035FP_Calc BTEX - LL	300_ORGFM_28D/DI_LEACH Chloride	8016MOD_Calc	Total_BTEX_GCV	8021B/5030B BTEX	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
CS-23@17 (890-1631-19)	11/23/21	Mountain		Solid			X	X	X	X	X		1	
DUPLICATE-4 (890-1631-20)	11/23/21	Mountain		Solid			X	X	X	X	X		1	
DUPLICATE-5 (890-1631-21)	11/23/21	Mountain		Solid			X	X	X	X	X		1	
TB-11-23-21 (890-1631-22)	11/23/21	Mountain		Water							X	X	2	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time:	Method of Shipment:

Relinquished by: Cloe Cruz 11-24-21	Date/Time	Company	Received by: Kramer	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 890-1631-1
SDG Number: Malaga NM

Login Number: 1631
List Number: 1
Creator: Olivas, Nathaniel

List Source: Eurofins Xenco, 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.	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: 890-1631-1
SDG Number: Malaga NM

Login Number: 1631
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 11/24/21 12:15 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	3.8/3.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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ANALYTICAL REPORT

Eurofins Xenco, Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-8866-1
Laboratory Sample Delivery Group: Malaga NM
Client Project/Site: COP Vasquez #1 TB
Revision: 1

For:
TRC Solutions, Inc.
2057 Commerce Drive
Midland, Texas 79703

Attn: Jared Stoffel

JKramer

Authorized for release by:
12/2/2021 8:45:10 PM

Jessica Kramer, Project Manager
(432)704-5440
jessica.kramer@eurofinset.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Laboratory Job ID: 880-8866-1
SDG: Malaga NM

Table of Contents

Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8866-1
SDG: Malaga NM

Qualifiers

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical 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: COP Vasquez #1 TB

Job ID: 880-8866-1
SDG: Malaga NM

Job ID: 880-8866-1

Laboratory: Eurofins Xenco, Midland

Narrative

Job Narrative
880-8866-1

REVISION

The report being provided is a revision of the original report sent on 12/2/2021. The report (revision 1) is being revised due to Reviewing sample 003 dilution for chloride.

Report revision history

Receipt
The samples were received on 12/1/2021 4:28 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-13605 and analytical batch 880-13607 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: COP Vasquez #1 TB

Job ID: 880-8866-1
SDG: Malaga NM

Client Sample ID: CS-SW-21a @11'
Lab Sample ID: 880-8866-1
Matrix: Solid
Date Collected: 12/01/21 10:30
Date Received: 12/01/21 16:28
Sample Depth: 11'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	348		5.00		mg/Kg			12/02/21 03:11	1

Client Sample ID: CS-SW-21a @7'
Lab Sample ID: 880-8866-2
Matrix: Solid
Date Collected: 12/01/21 10:40
Date Received: 12/01/21 16:28
Sample Depth: 7'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	385		4.98		mg/Kg			12/02/21 03:22	1

Client Sample ID: CS-SW-22a @11'
Lab Sample ID: 880-8866-3
Matrix: Solid
Date Collected: 12/01/21 10:50
Date Received: 12/01/21 16:28
Sample Depth: 11'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	369		5.01		mg/Kg			12/02/21 03:56	1

Client Sample ID: CS-SW-22a @7'
Lab Sample ID: 880-8866-4
Matrix: Solid
Date Collected: 12/01/21 11:00
Date Received: 12/01/21 16:28
Sample Depth: 7'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	363		4.98		mg/Kg			12/02/21 04:08	1

Client Sample ID: CS-SW-26 @7'
Lab Sample ID: 880-8866-5
Matrix: Solid
Date Collected: 12/01/21 11:10
Date Received: 12/01/21 16:28
Sample Depth: 7'

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	369		5.00		mg/Kg			12/02/21 04:19	1

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8866-1
SDG: Malaga NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-13605/1-A
Matrix: Solid
Analysis Batch: 13607

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			12/01/21 12:26	1

Lab Sample ID: LCS 880-13605/2-A
Matrix: Solid
Analysis Batch: 13607

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	254.8		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-13605/3-A
Matrix: Solid
Analysis Batch: 13607

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	257.4		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 880-8851-A-3-B MS
Matrix: Solid
Analysis Batch: 13607

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	8580	F1	2480	11570	F1	mg/Kg		121	90 - 110		

Lab Sample ID: 880-8851-A-3-C MSD
Matrix: Solid
Analysis Batch: 13607

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8580	F1	2480	11410	F1	mg/Kg		114	90 - 110	1	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8866-1
SDG: Malaga NM

HPLC/IC

Leach Batch: 13605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8866-1	CS-SW-21a @11'	Soluble	Solid	DI Leach	
880-8866-2	CS-SW-21a @7'	Soluble	Solid	DI Leach	
880-8866-3	CS-SW-22a @11'	Soluble	Solid	DI Leach	
880-8866-4	CS-SW-22a @7'	Soluble	Solid	DI Leach	
880-8866-5	CS-SW-26 @7'	Soluble	Solid	DI Leach	
MB 880-13605/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-13605/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-13605/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8851-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8851-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 13607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-8866-1	CS-SW-21a @11'	Soluble	Solid	300.0	13605
880-8866-2	CS-SW-21a @7'	Soluble	Solid	300.0	13605
880-8866-3	CS-SW-22a @11'	Soluble	Solid	300.0	13605
880-8866-4	CS-SW-22a @7'	Soluble	Solid	300.0	13605
880-8866-5	CS-SW-26 @7'	Soluble	Solid	300.0	13605
MB 880-13605/1-A	Method Blank	Soluble	Solid	300.0	13605
LCS 880-13605/2-A	Lab Control Sample	Soluble	Solid	300.0	13605
LCSD 880-13605/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	13605
880-8851-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	13605
880-8851-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	13605

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8866-1
SDG: Malaga NM

Client Sample ID: CS-SW-21a @11'
Lab Sample ID: 880-8866-1
Date Collected: 12/01/21 10:30
Matrix: Solid
Date Received: 12/01/21 16:28

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 g	50 mL	13605	12/01/21 16:59	CH	XEN MID
Soluble	Analysis	300.0		1			13607	12/02/21 03:11	CH	XEN MID

Client Sample ID: CS-SW-21a @7'
Lab Sample ID: 880-8866-2
Date Collected: 12/01/21 10:40
Matrix: Solid
Date Received: 12/01/21 16:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	13605	12/01/21 16:59	CH	XEN MID
Soluble	Analysis	300.0		1			13607	12/02/21 03:22	CH	XEN MID

Client Sample ID: CS-SW-22a @11'
Lab Sample ID: 880-8866-3
Date Collected: 12/01/21 10:50
Matrix: Solid
Date Received: 12/01/21 16:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	13605	12/01/21 16:59	CH	XEN MID
Soluble	Analysis	300.0		1			13607	12/02/21 03:56	CH	XEN MID

Client Sample ID: CS-SW-22a @7'
Lab Sample ID: 880-8866-4
Date Collected: 12/01/21 11:00
Matrix: Solid
Date Received: 12/01/21 16:28

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	13605	12/01/21 16:59	CH	XEN MID
Soluble	Analysis	300.0		1			13607	12/02/21 04:08	CH	XEN MID

Client Sample ID: CS-SW-26 @7'
Lab Sample ID: 880-8866-5
Date Collected: 12/01/21 11:10
Matrix: Solid
Date Received: 12/01/21 16:28

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 g	50 mL	13605	12/01/21 16:59	CH	XEN MID
Soluble	Analysis	300.0		1			13607	12/02/21 04:19	CH	XEN MID

Laboratory References:
XEN MID = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8866-1
SDG: Malaga NM

Laboratory: Eurofins Xenco, Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22

Method Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8866-1
SDG: Malaga NM

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

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

Laboratory References:

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

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: COP Vasquez #1 TB

Job ID: 880-8866-1
SDG: Malaga NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-8866-1	CS-SW-21a @11'	Solid	12/01/21 10:30	12/01/21 16:28	11'
880-8866-2	CS-SW-21a @7'	Solid	12/01/21 10:40	12/01/21 16:28	7'
880-8866-3	CS-SW-22a @11'	Solid	12/01/21 10:50	12/01/21 16:28	11'
880-8866-4	CS-SW-22a @7'	Solid	12/01/21 11:00	12/01/21 16:28	7'
880-8866-5	CS-SW-26 @7'	Solid	12/01/21 11:10	12/01/21 16:28	7'

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Chain of Custody

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

880-8866 Chain of Custody

www.xenco.com Page 1 of 1

Project Manager:	Jared Staffel	Bill to: (if different)	Ike Tavarez
Company Name:	TRC	Company Name:	COP
Address:	10 Desta Dr.	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432-238-3003	Email	Mist, Jared, Ike

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: NM
Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables. EDD ☐ ADaPT ☐ Other:

Project Name:	COP Vasquez #1 TB	Turn Around	
Project Number:		☐ Routine ☑ Rush 24hr	
Project Location:	Malaga NM	Due Date:	
Sampler's Name:	Misti Bryant	TAT starts the day received by the lab, if received by 4:30pm	
PO #			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	IR8
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	10
Sample Custody Seals.	Yes No (N/A)	Temperature Reading	.2
Total Containers:		Corrected Temperature:	.3

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chloride
CS-SW-21a @ 11'	S	12/1/21	1030	11'	C	1		X
CS-SW-21a @ 7'			1040	7'				
CS-SW-22a @ 11'			1050	11'				
CS-SW-22a @ 7'			1100	7'				
CS-SW-26 @ 7'			1110	7'				

Preservative Codes

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

Sample Comments

402

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg 1631 / 245 1 / 7470 / 7471

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Misti Bryant	Leticia R	12/01/21 1628	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-8866-1
SDG Number: Malaga NM

Login Number: 8866
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Xenco, 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	

Appendix E: NMOCD Correspondence

From: Nobui, Jennifer, EMNRD
To: Stoffel, Jared; Billings, Bradford, EMNRD; Bratcher, Mike, EMNRD
Cc: Tavarez, Ike
Subject: RE: [EXTERNAL] Vasquez #001 TB (nRM1932257155) Proposed Monitor Well Construction and Locations
Date: Wednesday, August 10, 2022 1:15:07 PM
Attachments: image001.png

Hello Jared

OCD concurs with your findings. This case can be closed. Please submit a revised Closure Report with these findings. Let me know via email when you upload the report so I can go into the system and address it. Let me know if you have any questions.

Thanks again for your and COPs efforts, it is much appreciated.

Jennifer Nobui, PG ● Environmental Specialist A
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland Avenue N.E Suite 100 | Albuquerque, NM 87113
505.470-3407 | Jennifer.Nobui@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Thursday, August 4, 2022 1:38 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Tavarez, Ike <Ike.Tavarez@conocophillips.com>
Subject: RE: [EXTERNAL] Vasquez #001 TB (nRM1932257155) Proposed Monitor Well Construction and Locations

Jennifer, Mike and Bradford,

Please see the attached figures for the groundwater gradient and quality at the Vasquez #001. The groundwater gradient shows to be south – southwest direction. Based on the sampling data, the water quality is poor – high TDS, moderately high chlorides, and high sulfates were shown in all the monitor wells. The most up-gradient well (TMW-3) has higher chloride and TDS concentrations than our downgradient well (TMW-1) near the excavation.

The literature corroborates the data we see here – in the Geology and Ground-Water resources of

Eddy County, New Mexico (published by the New Mexico Bureau of Mines and Mineral Resources) the Site is in the 'Area Between the Guadalupe Mountains and the Pecos River And Generally South Of Latitude 32^{O} 15', which coincides with the area bounded by the Guadalupe Mountains to the west, the Black River to the north/northwest, the Pecos River to the east, and the New Mexico-Texas state line to the south. The Site is located in the northeast corner of the described area. The literature describes groundwater as being good quality to the west with progressively more mineralized groundwater to the east due to evaporite deposits. The shallow water bearing strata near the Pecos River is described as the Rustler formation, which has documented poor water quality. Additionally, in the Malaga Bend area (approximately 2 miles southeast of the Site) groundwater is documented to have very high concentrations of sulfates and chlorides due to natural mixing with brine waters. Anecdotally, the landowner is aware of the poor water quality and does not use shallow groundwater for any purposes.

Based on the poor water quality underlying the site and lack of elevated chlorides and TDS relative to the upgradient MW-3 well, COP asserts that groundwater was not impacted by the produced water release and requests that this data be added to the previously denied closure request associated with NRM1932257155 to resolve the rationale for denial. COP also proposes P&A'ing the currently installed 3 temporary monitoring wells. Please let me know if you concur or if you would like to discuss further. Thank you for your consideration.

Jared Stoffel, P.G.
Project Manager

TRC

505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | **C**: 432 238 3003
LinkedIn | Twitter | Blog | TRCcompanies.com

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Monday, February 28, 2022 1:06 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Tavarez, Ike <Ike.Tavarez@conocophillips.com>
Subject: RE: [EXTERNAL] Vasquez #001 TB (nRM1932257155) Proposed Monitor Well Construction and Locations

Hi Jared

Can you also submit these documents as tags in the portal?

Thanks
Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Friday, February 25, 2022 12:32 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Tavarez, Ike <Ike.Tavarez@conocophillips.com>
Subject: [EXTERNAL] Vasquez #001 TB (nRM1932257155) Proposed Monitor Well Construction and Locations

All -

Thank you for taking the time to meet with us on February 3rd to clarify our path forward towards closure on the Vasquez #001 TB. Based on the discussion during that meeting, we have prepared a map with the monitoring well locations and a generalized monitoring well construction diagram. We are proposing the installation of 3 temporary monitoring wells, screened approximately 10' into groundwater and 5' above groundwater, to determine water quality near the remediated area and off – pad. Please let us know if you concur with the construction and locations, and we will begin the permitting process with the NMOSE. Please let me know if you have questions, comments, or concerns regarding location or construction. Thank you very much!

Jared Stoffel, P.G.
Project Manager

505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | **C**: 432 238 3003
LinkedIn | Twitter | Blog | TRCcompanies.com

From: Billings, Bradford, EMNRD
To: Nobui, Jennifer, EMNRD; Stoffel, Jared; Bratcher, Mike, EMNRD
Cc: Tavarez, Ike
Subject: RE: [EXTERNAL] Request for Meeting - nRM1932257155 Vasquez 001 Following Closure Denial
Date: Thursday, February 3, 2022 4:00:48 PM
Attachments: image001.png

Hi,

And if possible I like the screened interval set with five feet of screen above GW and10 feet into GW. Thanks.

Bradford

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Thursday, February 3, 2022 2:58 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Tavarez, Ike <Ike.Tavarez@conocophillips.com>
Subject: RE: [EXTERNAL] Request for Meeting - nRM1932257155 Vasquez 001 Following Closure Denial

Thanks Jared for setting up this meeting. It should be interesting to find out the results. Prior to completing the field work, could you send us an email with a site plan showing the proposed locations of the 3 groundwater monitoring wells as well as the well construction details? That way we can make sure we are all on the same page. Please let me know if you have any questions.

Thanks,
Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Wednesday, February 2, 2022 6:50 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Tavarez, Ike <Ike.Tavarez@conocophillips.com>
Subject: RE: [EXTERNAL] Request for Meeting - nRM1932257155 Vasquez 001 Following Closure Denial

Jennifer,
Thank you very much – I have sent a Teams invitation to yourself, Bradford, Mike, and Ike Taverez with ConocoPhillips. I set it for 2:00 MST (3:00 CST). Please let me know if the meeting time and date need to be adjusted at any time. Have a great morning!

Jared Stoffel, P.G.
Project Manager

505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | **C**: 432 238 3003
LinkedIn | Twitter | Blog | TRCcompanies.com

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Tuesday, February 1, 2022 5:02 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Tavarez, Ike <Ike.Tavarez@conocophillips.com>
Subject: RE: [EXTERNAL] Request for Meeting - nRM1932257155 Vasquez 001 Following Closure Denial

Hello Jared,

How about 2pm this Thursday 2/3/22?

Thanks,

Jennifer Nobui, PG • Environmental Specialist A
Environmental Bureau
EMNRD - Oil Conservation Division
5200 Oakland Avenue N.E Suite 100 | Albuquerque, NM 87113
505.470-3407 | Jennifer.Nobui@state.nm.us
http://www.emnrd.state.nm.us/OCD/

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Tuesday, February 1, 2022 3:48 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Cc: Tavarez, Ike <Ike.Tavarez@conocophillips.com>
Subject: [EXTERNAL] Request for Meeting - nRM1932257155 Vasquez 001 Following Closure Denial

Jennifer,

Stoffel, Jared

From: Stoffel, Jared
Sent: Wednesday, March 2, 2022 10:09 AM
To: Nobui, Jennifer, EMNRD; Billings, Bradford, EMNRD; Bratcher, Mike, EMNRD
Cc: Tavarez, Ike
Subject: RE: [EXTERNAL] Vasquez #001 TB (nRM1932257155) Proposed Monitor Well Construction and Locations

Jennifer,
These will be uploaded in the portal. Thank you very much!

Jared Stoffel, P.G.
Project Manager

505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | **C**: 432 238 3003
LinkedIn | Twitter | Blog | TRCcompanies.com

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Monday, February 28, 2022 1:06 PM
To: Stoffel, Jared <JStoffel@trccompanies.com>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Tavarez, Ike <Ike.Tavarez@conocophillips.com>
Subject: RE: [EXTERNAL] Vasquez #001 TB (nRM1932257155) Proposed Monitor Well Construction and Locations

Hi Jared

Can you also submit these documents as tags in the portal?

Thanks
Jennifer Nobui

From: Stoffel, Jared <JStoffel@trccompanies.com>
Sent: Friday, February 25, 2022 12:32 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>
Cc: Tavarez, Ike <Ike.Tavarez@conocophillips.com>
Subject: [EXTERNAL] Vasquez #001 TB (nRM1932257155) Proposed Monitor Well Construction and Locations

I would like to reach out regarding the rejection of the request for closure at the Vasquez 001 Release Site, incident ID nRM1932257155. We would like to clarify the path forward for this site with regards to the requested additional groundwater delineation. Does the NMOCD require a single well to confirm groundwater impact at the Site, or is confirmation of impact as well as lateral delineation required? We'd like to discuss with you the additional activities required for closure of the soil remediation at the Vasquez 001 and further groundwater activities required prior to the movement of incident/case to 19.15.30 NMAC. Please let us know if you would have time to discuss, and I will set up a Teams meeting at your convenience. Thank you.

Jared Stoffel, P.G.
Project Manager

505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | **C**: 432 238 3003
LinkedIn | Twitter | Blog | TRCcompanies.com

Stoffel, Jared

From: Tavarez, Ike <Ike.Tavarez@conocophillips.com>
Sent: Tuesday, February 1, 2022 1:59 PM
To: Stoffel, Jared
Cc: Esparza, Brittany
Subject: FW: [EXTERNAL]The Oil Conservation Division (OCD) has rejected the application, Application ID: 68339

Jared,

Please review denied closure/work plan sent to the NMOCD. Lets have discussion when you have some time.

Ike

From: Esparza, Brittany <Brittany.Esparza@conocophillips.com>
Sent: Tuesday, February 1, 2022 12:02 PM
To: Tavarez, Ike <Ike.Tavarez@conocophillips.com>
Subject: FW: [EXTERNAL]The Oil Conservation Division (OCD) has rejected the application, Application ID: 68339

Vasquez 001 (10-09-2019) – Denial

Thank you,
Brittany N. Esparza
Brittany N. Esparza | **Environmental Technician, Permian** | **ConocoPhillips**
O: 432-221-0398 | **C**: 432-349-1911 | 3CC-2064 Midland, Texas

---

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, January 31, 2022 11:02 AM
To: Esparza, Brittany <Brittany.Esparza@conocophillips.com>
Subject: [EXTERNAL]The Oil Conservation Division (OCD) has rejected the application, Application ID: 68339

To whom it may concern (c/o Brittany Esparza for COG OPERATING LLC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nRM1932257155,
for the following reasons:

- **Thank you for your well executed report, however, the Closure Report has been denied. Additional groundwater delineation is needed before OCD will consider movement of incident/case to 19.15.30 NMAC.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 68339.
Please review and make the required correction(s) prior to resubmitting.
If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Jennifer Nobui
Environmental Specialist-Advanced
505-476-3441
Jennifer.Nobui@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

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

All -

Thank you for taking the time to meet with us on February 3rd to clarify our path forward towards closure on the Vasquez #001 TB. Based on the discussion during that meeting, we have prepared a map with the monitoring well locations and a generalized monitoring well construction diagram. We are proposing the installation of 3 temporary monitoring wells, screened approximately 10' into groundwater and 5' above groundwater, to determine water quality near the remediated area and off – pad. Please let us know if you concur with the construction and locations, and we will begin the permitting process with the NMOSE. Please let me know if you have questions, comments, or concerns regarding location or construction. Thank you very much!

Jared Stoffel, P.G.
Project Manager

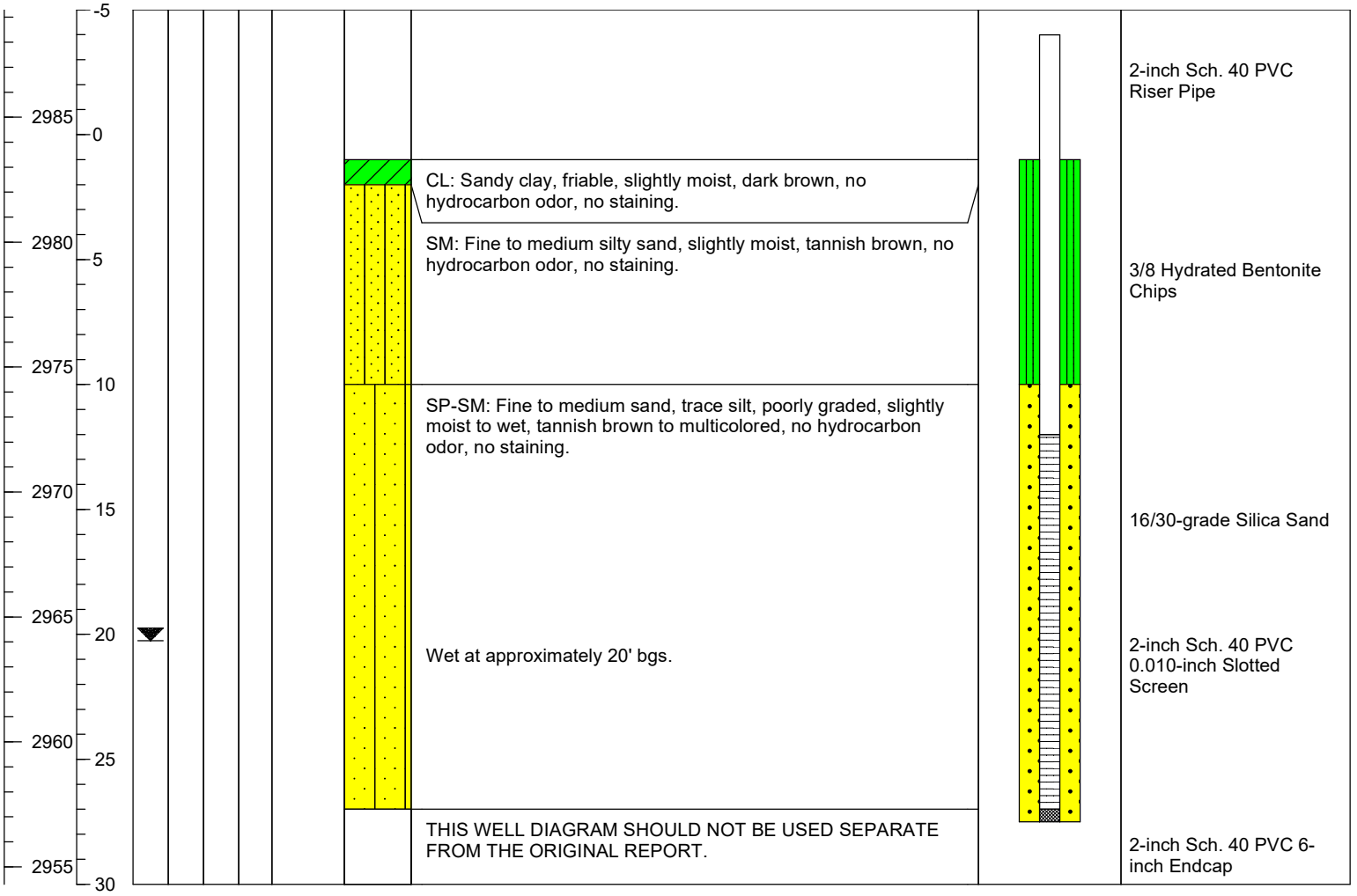
505 E Huntland Dr STE 250 Austin, TX 78752
F: 512 329 8750 | **C**: 432 238 3003
LinkedIn | Twitter | Blog | TRCcompanies.com

Appendix F: Well Construction Logs

BORING LOG and WELL CONSTRUCTION

TMW-1

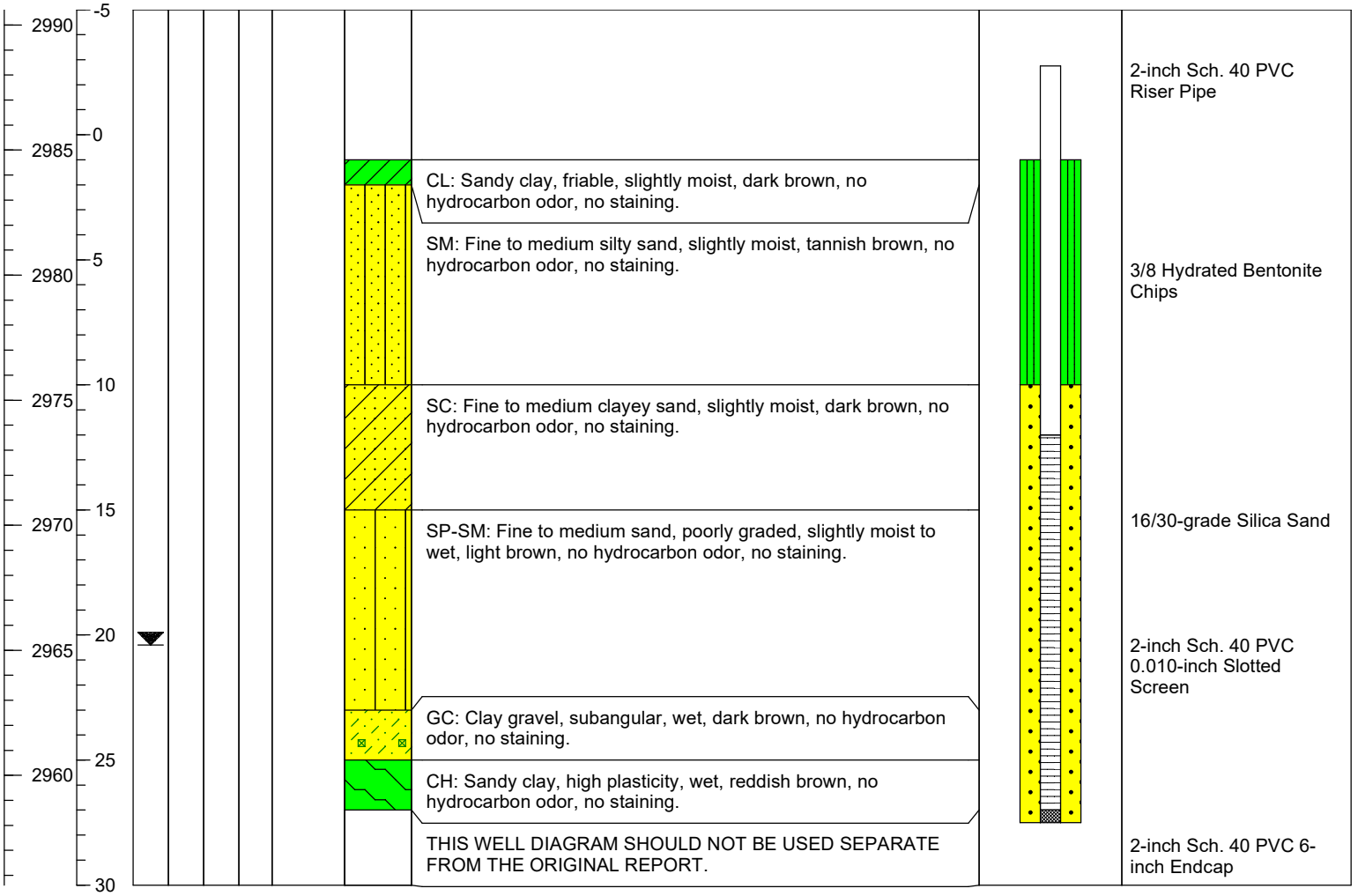
Client: ConocoPhillips	TRC Project #: 481769
Site: Vasquez #001 TB	Start Date: 6/7/2022
Address: 32.2315331, -104.0559235	Finish Date: 6/7/2022
Project: Vasquez #001 TB	Permit #: N/A
Drilling Company: Scarborough Drilling — Drilling Crew: Lane Scarborough	TRC Site Rep.: P. Garcia
Drilling Method: Air-Rotary	TRC Reviewer: J. Stoffel
Boring Diameter (in): 6.25 — Boring Depth (ft bgs): 27'	Coord. System: UTM Zone 13
Sampling Method: N/A	Latitude: 447920.902
Blow Count Method: N/A	Longitude: 627040.105
Field Screening Parameter: N/A	Elevation Datum: NAVD88
Meter: N/A — Units: N/A	Ground Elevation (ft): 2984.304
Well Depth (ft bgs): 27' — Well Depth (ft toc): 30'	Well Elevation (ft): 2988.177
Casing Length (ft): 15' — Screen Length (ft): 15'	Well Measuring Point: Top of casing (TOC)
Surface Completion: None	Depth to Water (ft toc): 20.25
Well Development: Hand bailed and purged ~24 gallons	Date/Time: 6/9/2022



BORING LOG and WELL CONSTRUCTION

TMW-2

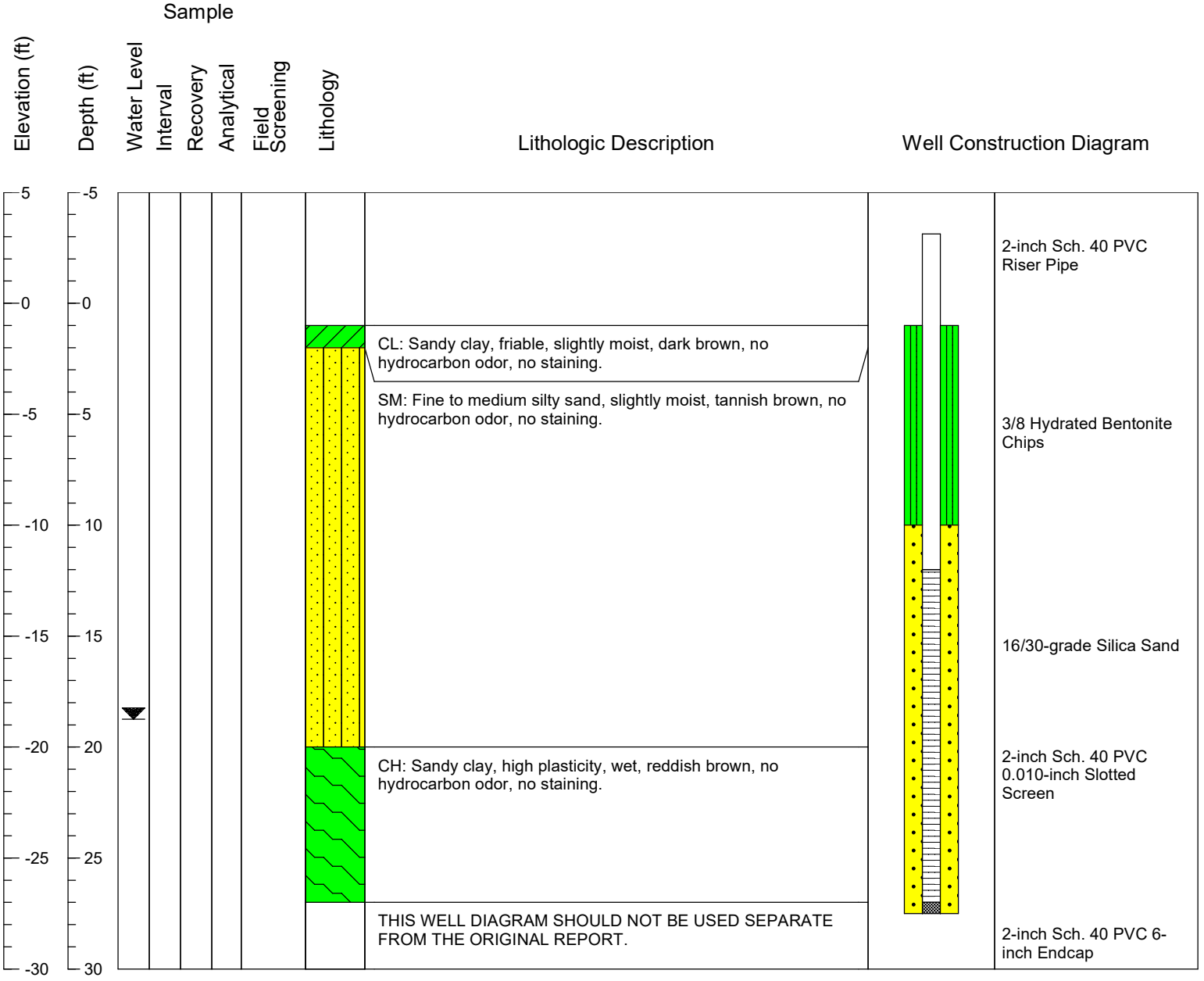
Client: ConocoPhillips	TRC Project #: 481769
Site: Vasquez #001 TB	Start Date: 6/7/2022
Address: 32.2315331, -104.0559235	Finish Date: 6/7/2022
Project: Vasquez #001 TB	Permit #: N/A
Drilling Company: Scarborough Drilling — Drilling Crew: Lane Scarborough	TRC Site Rep.: P. Garcia
Drilling Method: Air-Rotary	TRC Reviewer: J. Stoffel
Boring Diameter (in): 6.25 — Boring Depth (ft bgs): 27'	Coord. System: UTM Zone 13
Sampling Method: N/A	Latitude: 447979.292
Blow Count Method: N/A	Longitude: 626925.935
Field Screening Parameter: N/A	Elevation Datum: NAVD88
Meter: N/A — Units: N/A	Ground Elevation (ft): 2985.613
Well Depth (ft bgs): 27' — Well Depth (ft toc): 30'	Well Elevation (ft): 2988.295
Casing Length (ft): 15' — Screen Length (ft): 15'	Well Measuring Point: Top of casing (TOC)
Surface Completion: None	Depth to Water (ft toc): 20.40
Well Development: Hand bailed and purged ~26 gallons	Date/Time: 6/9/2022



BORING LOG and WELL CONSTRUCTION

TMW-3

Client: ConocoPhillips	TRC Project #: 481769
Site: Vasquez #001 TB	Start Date: 6/7/2022
Address: 32.2315331, -104.0559235	Finish Date: 6/7/2022
Project: Vasquez #001 TB	Permit #: N/A
Drilling Company: Scarborough Drilling — Drilling Crew: Lane Scarborough	TRC Site Rep.: P. Garcia
Drilling Method: Air-Rotary	TRC Reviewer: J. Stoffel
Boring Diameter (in): 6.25 — Boring Depth (ft bgs): 27'	Coord. System: UTM Zone 13
Sampling Method: N/A	Latitude: 448175.898
Blow Count Method: N/A	Longitude: 626977.825
Field Screening Parameter: N/A	Elevation Datum: NAVD88
Meter: N/A — Units: N/A	Ground Elevation (ft): 2983.643
Well Depth (ft bgs): 27' — Well Depth (ft toc): 30'	Well Elevation (ft): 2986.872
Casing Length (ft): 15' — Screen Length (ft): 15'	Well Measuring Point: Top of casing (TOC)
Surface Completion: None	Depth to Water (ft toc): 18.74
Well Development: Hand bailed and purged ~23 gallons	Date/Time: 6/9/2022



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

CONDITIONS

Action 145009

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 145009
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Approved.	9/22/2022