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SITE ASSESSMENT SUMMARY
&
PROPOSED REMEDIATION WORK PLAN

COG Operating, LLC
Azores Water Line (12.08.2023)
Lea County, New Mexico
Unit B, Section 32, Township 24 South, Range 32 East
Latitude 32.18077° North, Longitude 103.695424° West
NMOCD Reference No. nAPP233455060

Prepared For:

COP Operating, LLC
600 W Illinois Avenue
Midland, Texas 79701

Prepared By:

TRC Environmental Corporation
10 Desta Drive, Suite 130E
Midland, Texas 79705

JUNE 2024

Nikki Donegan
Environmental Scientist

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Project Manager

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INTRODUCTION

TRC Environmental Corporation (TRC), on behalf of ConocoPhillips (COP), has prepared this *Site Assessment Summary and Remediation Work Plan* for the Release Site known as Azores Water Line (the Site). The legal description of the Site is Unit B, Section 32, Township 24 South, Range 32 East, in Lea County, New Mexico. The subject property is owned by the United States Federal government and administered by the Bureau of Land Management (BLM). The GPS coordinates for the Site are 32.1807°N, 103.6954°W. A topographical map is provided as **Figure 1**.

BACKGROUND

On December 8, 2023, COP had a ruptured water line occur at the Site due to corrosion which released approximately 168 barrels (bbls) of produced water to the ground surface and affected approximately 23,800 square feet. Approximately 9,300 square feet of the release footprint are on the production pad, and 14,500 square feet of the affected area are in the adjacent pastureland. On December 11, 2023, COP notified the New Mexico Oil and Conservation Division (NMOCD) of the release through their website portal.

During initial response activities, a vacuum truck was dispatched to recover any recoverable freestanding fluids. A total of 140 bbls of produced water was recovered. The net loss of produced water was approximately 28 bbls.

On March 26, 2024, the initial Release Notification and Corrective Action (Form C-141) was submitted to the NMOCD through the portal, as the filed Notice of Release (NOR) was thought to be a C-141 submission. A copy of the NMOCD submitted Form C-141 for the Release is provided in **Appendix A**.

REGULATORY FRAMEWORK

A groundwater database maintained by The New Mexico Office of the State Engineer (NMOSE) did not identify any registered water wells in Section 32, Township 24 South, Range 32 East. The nearest well recorded in the NMOSE groundwater database is located approximately 1 mile southeast of the Site and has no documented depth to water. However, an adjacent COP remediation site (nAPP2124346388) included a 105-foot bgs depth to water boring which was dry after 72 hours. The dry boring was installed within the 0.5 mile groundwater determination radius, and the groundwater depth determination for the Site will be greater than 100 feet bgs. The database search is included as **Appendix B**.

In addition to a groundwater depth of greater than 100 feet bgs, no sensitive receptors were identified within the conditional radii of the Site, including:

- Lateral extents are NOT within 300 feet of a continuously flowing watercourse or any other significant watercourse.

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- Lateral extents are NOT within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).
- Lateral extents are NOT within 300 feet of an occupied permanent residence, school, hospital, institution, or church.
- Lateral extents are NOT within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes.
- Lateral extents are NOT within 1,000 feet of any other fresh water well or spring.
- Lateral extents are NOT within incorporated municipal boundaries or within a defined municipal fresh water field.
- Lateral extents are NOT within 300 feet of a wetland.
- Lateral extents are NOT overlying a subsurface mine.
- Lateral extents are NOT overlying an unstable area such as karst geology (low karst potential according to the BLM dataset).
- Lateral extents are NOT within a 100-year floodplain.
- The release DID impact an area not on an exploration, development, production, or storage site.

The site characteristics listed on the Form C-141 above are depicted in **Figure 2**. The karst potential designation, as outlined in the BLM publicly available Karst Potential dataset, is depicted in **Figure 3**.

Azores Water Line Release Site is greater than 100 feet below ground surface (bgs), has low karst potential, and the lateral extents are not near identified receptors as outlined in the Form C-141. Therefore, the NMOCD *Closure Criteria for Soils Impacted by a Release* warrants the least stringent closure criteria as follows:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- TPH: 1,000 mg/kg (GRO + DRO)
- TPH: 2,500 mg/kg (GRO + DRO + MRO)
- Chloride: 20,000 mg/kg

However, a portion of the release is in the adjacent pastureland not on an exploration, development, production, or storage site. In the pasture, the soil four (4) feet and deeper will be subject to the remediation standard outlined above, but soils shallower than four (4) feet bgs will be subject to the NMOCD reclamation standards as follows:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- TPH: 100 mg/kg (GRO + DRO + MRO)
- Chloride: 600 mg/kg

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SOIL INVESTIGATION SUMMARY

On January 9, 2024, an initial soil investigation was conducted at the Site. To laterally delineate the release, six (6) sample locations (E-1, N-1, N-2, S-1, S-2, and W-1) were advanced, utilizing a hand auger, outside the margins of the release area. To vertically delineate the release, five (5) investigation auger holes (AH-1 through AH-5) were advanced within the release footprint utilizing a hand auger to hand auger refusal at depths ranging from 2.5 to 4 feet bgs. AH-1 and AH-2 were advanced within the affected area of the pad. AH-3 through AH-5 were advanced within the footprint of the pasture. Each of the soil samples collected was submitted to Eurofins Laboratory in Midland, TX for TPH analysis by EPA 8015A, BTEX analysis by EPA 8021, and chloride analysis by E300. A summary of the analytical results is presented in **Table 1**. Sample locations are depicted on **Figure 4**. The results indicated the release has been laterally delineated to below the reclamation standards in each direction for each analyzed constituent. Additionally, the pad area represented by sample locations AH-1 and AH-2 were vertically defined to below the reclamation standard for each analyzed constituent. AH-3 through AH-5, which represent the release footprint within the pasture off-pad, were fully delineated to below the reclamation standard for TPH and BTEX constituents but required further delineation to below reclamation standard for chloride in AH-3 and AH-4. AH-5 was advanced to 4 feet bgs, where the reclamation zone ends and the remediation standard only applies. No soil samples exhibited chloride concentrations above the remediation standard of 20,000 mg/kg for chlorides.

On May 3, 2024, a secondary soil investigation was conducted at the Release Site to further delineate the 'reclamation zone' in the pasture (AH-3 and AH-4 soil sample locations). TT-3 was advanced immediately adjacent to AH-3 and TT-4 was advanced immediately adjacent to AH-4. Soil samples collected from TT-3 and TT-4 were analyzed for chlorides by E300 only. TT-3 and TT-4 exhibited chloride concentrations above the reclamation standard until 4 feet, where the remediation standard only applies. Additionally, TT-3 was delineated at depth to below the reclamation standard at 5 feet bgs. TT-4 was above the reclamation standard to backhoe refusal at 8 feet bgs due to a dense rock layer, but only the remediation standard applies to soils four (4) feet and deeper. TT-5 was above the reclamation standard but was not delineated with mechanical equipment due to the adjacent overhead power lines, which constitutes a safety concern. The analytical results summary is presented in **Table 1**. The sample locations are depicted in **Figure 4**.

PROPOSED SOILS WORK PLAN

Based on the laboratory analytical results from the soil samples collected in January and May 2024, the Release Site does not appear to be affected above NMOCD regulatory guidelines for remediation by TPH, BTEX, or chloride constituents. Additionally, the soil samples collected did not exhibit TPH or BTEX concentration above reclamation standards. However, soil samples collected within the 'reclamation zone' of the upper four feet did exceed the chloride reclamation standard of 600 mg/kg.

COP proposes to excavate the areas which exhibited chloride concentrations above NMOCD reclamation standards in soils shallower than 4 feet bgs, transport the affected soil to an NMOCD approved disposal, and import clean backfill material to return the Site to near original grade. The excavation would be advanced in the area represented by soil sample locations AH-2 (on-pad) to

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2 feet bgs and the area represented by soil sample locations AH-3/TT-3, AH-4/TT-4, and AH-5 (pasture; off-pad) to a depth of 4 feet bgs. The projected volume of excavated material to be transported to disposal is approximately 2,550 cubic yards before decompaction.

Additionally, COP respectfully requests a confirmation sampling variance of 1 soil sample for every 500 square feet of floor and sidewall rather than the expected 200 square feet due to the size of the footprint. Soil samples will be analyzed for TPH (EPA 8015), BTEX (EPA 8021), and chloride (E300).

COP is prepared to begin the activities outlined in this *Site Assessment Summary and Proposed Remediation Work Plan* after receiving NMOCD approval. On completion of remediation activities, a Remediation Summary and Closure Request will be prepared detailing field activities and laboratory analytical results from confirmation soil samples.

If you have any questions, or need any additional information, please feel free to contact myself or Ike Tavarez by phone or email.

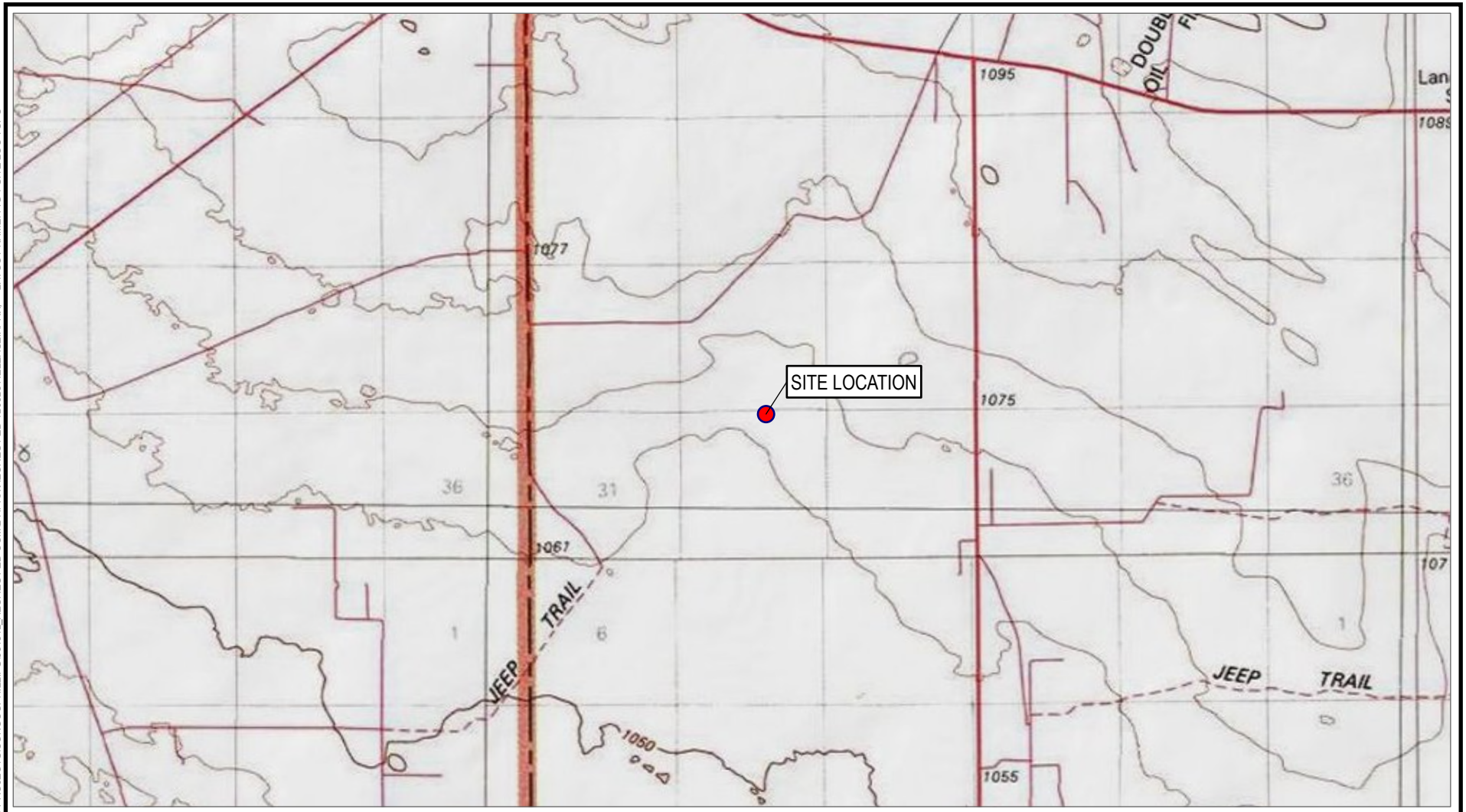
DISTRIBUTION

Copy 1: Mike Bratcher
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 2
811 S. First Street
Artesia, NM 88210

Copy 2: Shelly Tucker
United States Bureau of Land Management
620 E. Green Street
Carlsbad, New Mexico 88220

Copy 3: Ike Tavarez
COP Operating, LLC
600 W. Illinois Avenue
Midland, Texas 79701

Copy 4: TRC Environmental Corporation
10 Desta Dr STE 130E
Midland, TX 79705



SITE LOCATION

PROJECT:
AZORES FEDERAL 12.08.2023 RELEASE
LEA COUNTY, NM

TITLE:
TOPOGRAPHICAL MAP

DRAWN BY:	P. MARCOU	PROJ. NO.:	584312.0000.0000
CHECKED BY:	B. TRACY		
APPROVED BY:	J. STOFFEL		**FIGURE 1**
DATE:	MAY 2024		

BASE MAP: USGS 7.5 MINUTE TOPOGRAPHIC
QUADRANGLE SERIES, PADUCA BREAKS NW, NM.
DATA SOURCES: TRC, USGS

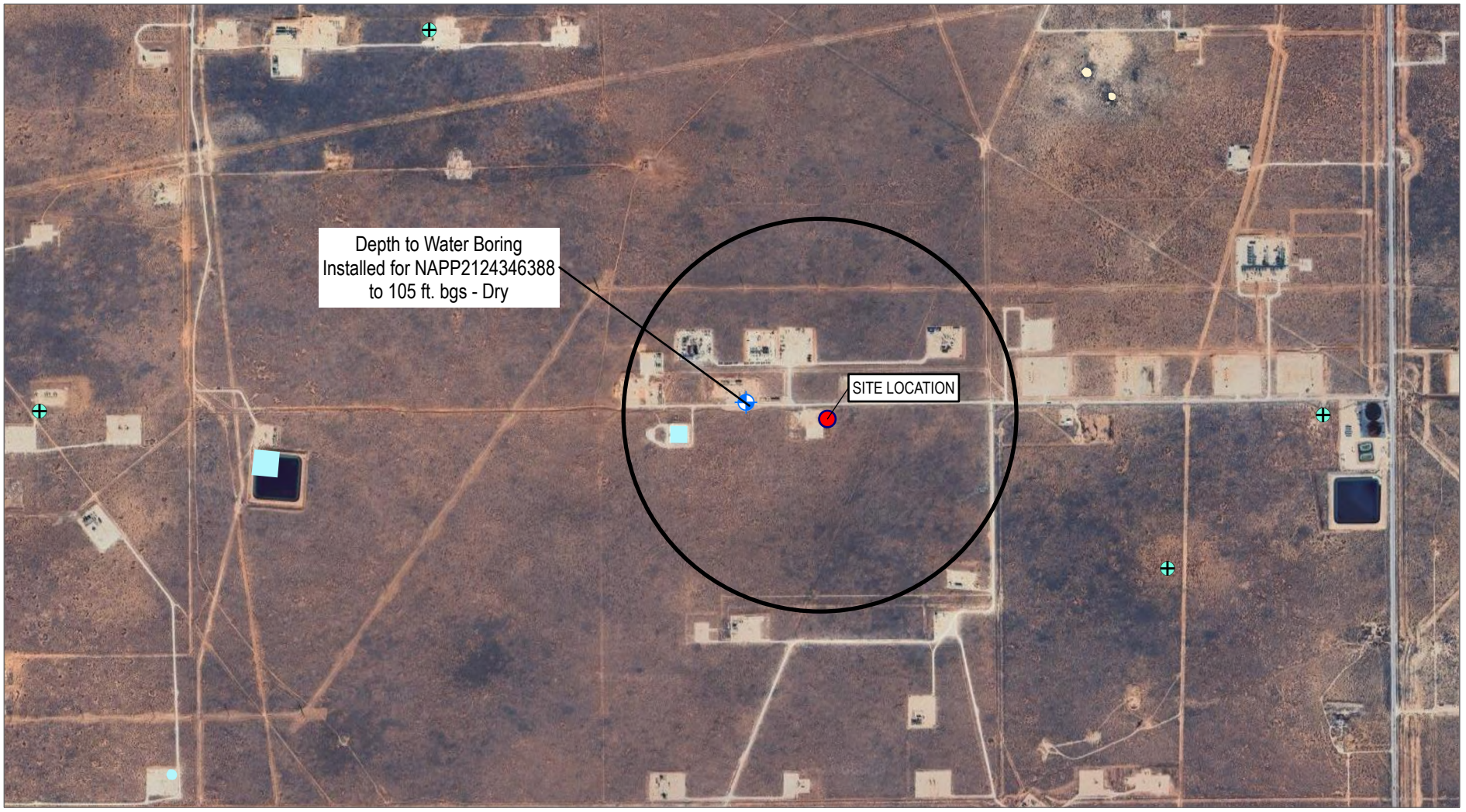
0 0.5 1 MILE

1:63,360 1" = 1 MILE

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

FILE: AZORES FED 120823 RELEASE

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET: MAP ROTATION: 0
-- SAVED BY: PMARCOU ON 5/16/2024, 08:56:12 AM. FILE PATH: T:\1-PROJECTS\CONOCOPHILLIPS\584312_AZORES FED COM\2-APRX\AZORES FED 120823 RELEASE.APRX -- LAYOUT NAME: FIG 1 SITE LOC TOPO



SITE LOCATION
WATER WELL
WATER BORING
1/2 MILE RADIUS

WETLAND TYPE
FRESHWATER EMERGENT WETLAND
FRESHWATER FORESTED/SHRUD WETLAND
FRESHWATER POND
LAKE
RIVERINE

NO FEMA 100-YEAR-FLOOD PLAIN PRESENT IN THE AREA SHOWN ON MAP.

BASE MAP: GOOGLE EARTH PRO, 11/2/2017.
DATA SOURCES: TRC
OSE POINTS OF DIVERSION FROM NMOSE, 12/7/2022.
FEMA FLOOD HAZARD AREAS, ESRI, 2022.

N

0 1,000 2,000 FEET

1:24,000 1" = 2,000'

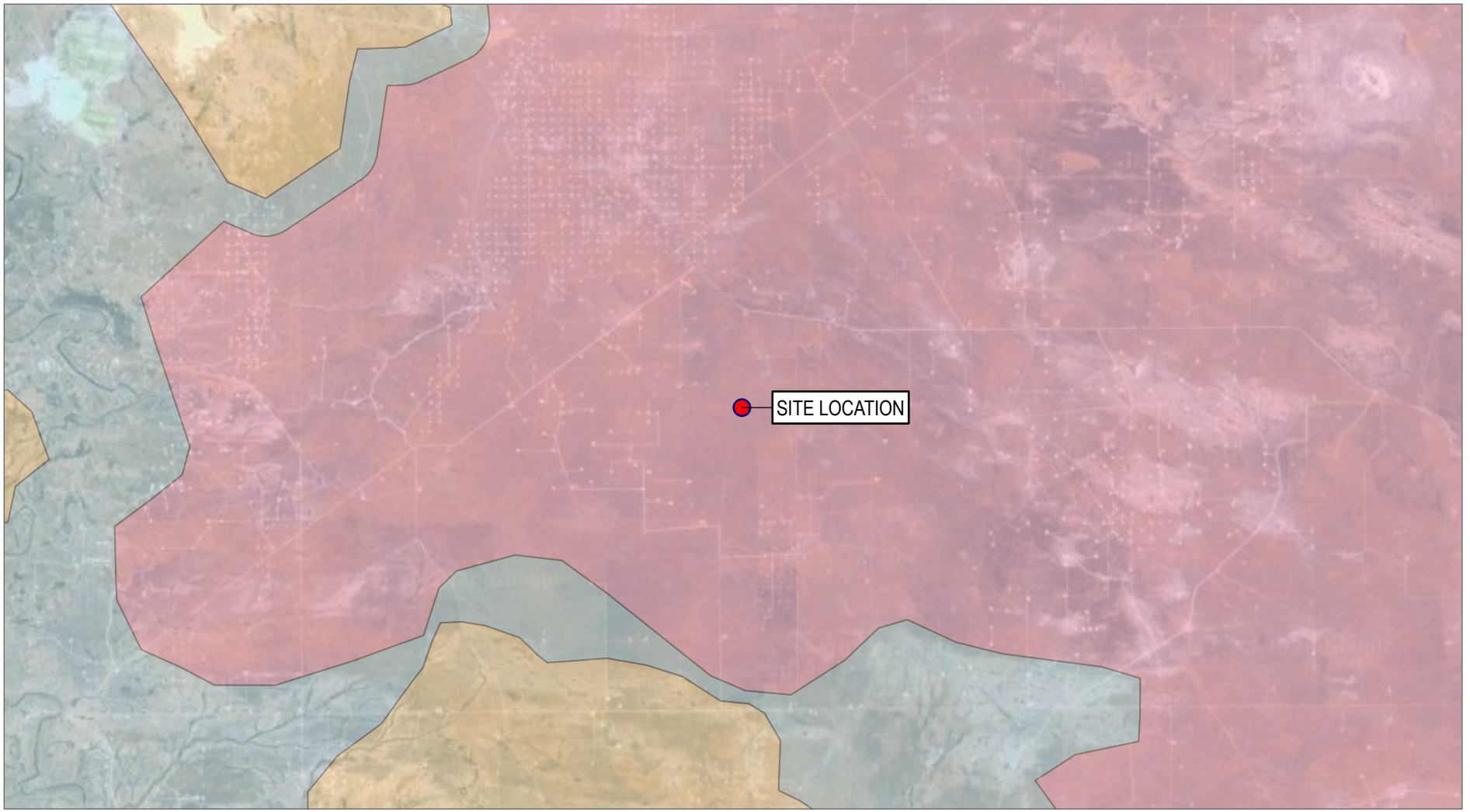
PROJECT:
AZORES FEDERAL 12.08.23 RELEASE
LEA COUNTY, NM

TITLE:
AERIAL MAP

DRAWN BY:	P>MARCOU	PROJ. NO.:	584312.0000.0000
CHECKED BY:	B. TRACY		
APPROVED BY:	J. STOFFEL		**FIGURE 2**
DATE:	MAY 2024		

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

FILE: AZORES FED 120823 RELEASE



SITE LOCATION
MEDIUM KARST POTENTIAL
HIGH KARST POTENTIAL
LOW KARST POTENTIAL

PROJECT:
AZORES FEDERAL 12.08.23 RELEASE
LEA COUNTY, NM

TITLE:
KARST POTENTIAL MAP

DRAWN BY:	P. MARCOU	PROJ. NO.:	584312.0000.0000
CHECKED BY:	B. TRACY		
APPROVED BY:	J. STOFFEL		**FIGURE 3**
DATE:	MAY 2024		

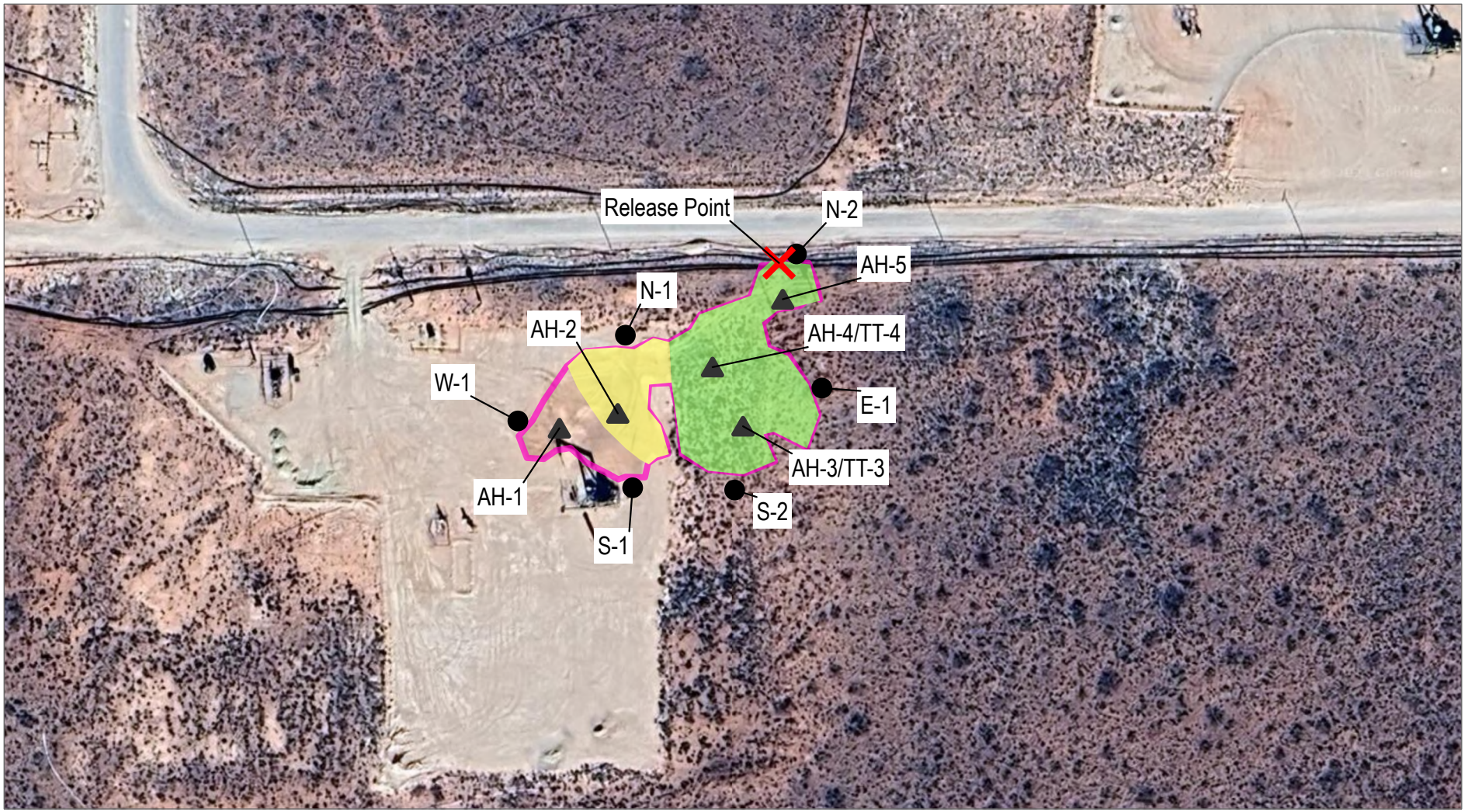
BASE MAP: GOOGLE EARTH PRO, 11/2/2017.
DATA SOURCES: TRC
KARST DATA FROM NM BLM, APRIL 2018.

0 2 4 MILES
1:250,000 1" = 4 MILES

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

FILE: AZORES FED 120823 RELEASE

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET: MAP ROTATION: 0
-- SAVED BY: PMARCOU ON 5/16/2024, 08:59:24 AM. FILE PATH: T:\1-PROJECTS\CONOCOPHILLIPS\584312_AZORES FED COM\2-APRX\AZORES FED 120823 RELEASE.APRX -- LAYOUT NAME: FIG 3 KARST



VERTICAL DELINEATION SAMPLE POINT

HORIZONTAL DELINEATION SAMPLE POINT

RELEASE POINT

APPROXIMATE RELEASE FOOTPRINT

PROPOSED 2' EXCAVATION AREA

PROPOSED 4' EXCAVATION AREA

BASE MAP: GOOGLE EARTH PRO, 11/2/2017.
DATA SOURCES: TRC

0 125 250 FEET

1:1,500 1" = 125'

PROJECT:
AZORES FEDERAL 12.08.23 RELEASE
LEA COUNTY, NM

TITLE:
SITE AND SAMPLE LOCATION MAP WITH PROPOSED EXCAVATION EXTENTS

DRAWN BY:	P. MARCOU	PROJ. NO.:	584312.0000.0000
CHECKED BY:	B. TRACY		
APPROVED BY:	J. STOFFEL		**FIGURE 4**
DATE:	MAY 2024		

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

FILE: AZORES FED 120823 RELEASE

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET: MAP ROTATION: 0
-- SAVED BY: PMARCOU ON 5/16/2024, 09:00:41 AM. FILE PATH: T:\1-PROJECTS\CONOCOPHILLIPS\584312_AZORES FED COM\2-APRX\AZORES FED 120823 RELEASE.APRX: -- LAYOUT NAME: FIG 4 SITE AND SAMPLE LOC

Azores Federal Com Delineation Soil Samples																
Sample Name	Date	Sample Depth (ft. bgs)	Proposed Action	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	m-Xylene & p-Xylene	o-Xylene	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	Gasoline Range Organics (GRO)-C6-C10 (mg/kg)	Diesel Range Organics (DRO) C11-C28 (mg/kg)	GRO + DRO (mg/kg)	OII Range Organics (ORO) (C29-C36) (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Guidelines				5	-	-			-	50	-	-	<4' bgs: - ≥4': 1,000	-	<4' bgs: 100 ≥4': 2,500	<4' bgs: 600 ≥4': 20,000
Lateral Delineation Soil Samples																
E-1	1/9/2024	0-1	No Action	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	<4.95
N-1	1/9/2024	0-1	No Action	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<49.6	<49.6	<49.6	<49.6	<49.6	140
N-2	1/9/2024	0-1	No Action	<0.00198	<0.00198	<0.00198	<0.00397	<0.00198	<0.00397	<0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	31.2
S-1	1/9/2024	0-1	No Action	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	32.7
S-2	1/9/2024	0-1	No Action	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	15.5
W-1	1/9/2024	0-1	No Action	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	158
Vertical Delineation Soil Samples																
AH-1 @ 0-1'	1/9/2024	0-1	No Action	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	384
AH-1 @ 2'	1/9/2024	2	No Action	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.5	<50.5	<50.5	<50.5	<50.5	242
AH-1 @ 3'	1/9/2024	3	No Action	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	<0.00403	<0.00403	<49.7	<49.7	<49.7	<49.7	<49.7	436
AH-1 @ 3.5'R	1/9/2024	3.5	No Action	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	480
AH-2 @ 0-1'	1/9/2024	0-1	**Excavate**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	**1,320**
AH-2 @ 2'	1/9/2024	2	No Action	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	<0.00396	<49.6	<49.6	<49.6	<49.6	<49.6	162
AH-2 @ 2.5'R	1/9/2024	2.5	No Action	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.3	<50.3	<50.3	<50.3	<50.3	32.2
AH-3 @ 0-1'	1/9/2024	0-1	**Excavate**	<0.00202	<0.00202	<0.00202	<0.00404	<0.00202	<0.00404	<0.00404	<50.4	<50.4	<50.4	<50.4	<50.4	**3,870**
AH-3 @ 2'	1/9/2024	2	**Excavate**	<0.00200	<0.00200	<0.00200	<0.00401	<0.00200	<0.00401	<0.00401	<50.5	<50.5	<50.5	<50.5	<50.5	**4,330**
AH-3 @ 2.5'R	1/9/2024	2.5	**Excavate**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	**3,100**
TT-3 @ 0-1'	5/3/2024	0-1	**Excavate**	-	-	-	-	-	-	-	-	-	-	-	-	191
TT-3 @ 2'	5/3/2024	2	**Excavate**	-	-	-	-	-	-	-	-	-	-	-	-	**2,450**
TT-3 @ 3'	5/3/2024	3	**Excavate**	-	-	-	-	-	-	-	-	-	-	-	-	**10,400**
TT-3 @ 4'	5/3/2024	4	No Action	-	-	-	-	-	-	-	-	-	-	-	-	5,610
TT-3 @ 5'	5/3/2024	5	No Action	-	-	-	-	-	-	-	-	-	-	-	-	293
TT-3 @ 6'	5/3/2024	6	No Action	-	-	-	-	-	-	-	-	-	-	-	-	181
AH-4 @ 0-1'	1/9/2024	0-1	**Excavate**	<0.00200	<0.00200	<0.00200	<0.00400	<0.00200	<0.00400	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	**4,120**
AH-4 @ 2'	1/9/2024	2	**Excavate**	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	<0.00396	<49.7	<49.7	<49.7	<49.7	<49.7	248
AH-4 @ 3'R	1/9/2024	3	**Excavate**	<0.00201	<0.00201	<0.00201	<0.00402	<0.00201	<0.00402	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	**2,230**
TT-4 @ 0-1'	5/3/2024	0-1	**Excavate**	-	-	-	-	-	-	-	-	-	-	-	-	867
TT-4 @ 2'	5/3/2024	2	**Excavate**	-	-	-	-	-	-	-	-	-	-	-	-	**3,460**
TT-4 @ 3'	5/3/2024	3	**Excavate**	-	-	-	-	-	-	-	-	-	-	-	-	**7,990**
TT-4 @ 4'	5/3/2024	4	No Action	-	-	-	-	-	-	-	-	-	-	-	-	6,070
TT-4 @ 5'	5/3/2024	5	No Action	-	-	-	-	-	-	-	-	-	-	-	-	5,410
TT-4 @ 6'	5/3/2024	6	No Action	-	-	-	-	-	-	-	-	-	-	-	-	4,480
TT-4 @ 7'	5/3/2024	7	No Action	-	-	-	-	-	-	-	-	-	-	-	-	1,920
TT-4 @ 8'	5/3/2024	8	No Action	-	-	-	-	-	-	-	-	-	-	-	-	1,040

Azores Federal Com Delineation Soil Samples																
Sample Name	Date	Sample Depth (ft. bgs)	Proposed Action	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	m-Xylene & p-Xylene	o-Xylene	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	Gasoline Range Organics (GRO)-C6-C10 (mg/kg)	Diesel Range Organics (DRO) C11-C28 (mg/kg)	GRO + DRO (mg/kg)	OII Range Organics (ORO) (C29-C36) (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Guidelines				5	-	-			-	50	-	-	<4' bgs: - ≥4': 1,000	-	<4' bgs: 100 ≥4': 2,500	<4' bgs: 600 ≥4': 20,000
AH-5 @ 0-1'	1/9/2024	0-1	**Excavate**	<0.00202	<0.00202	<0.00202	<0.00403	<0.00202	<0.00403	<0.00403	<50.1	<50.1	<50.1	<50.1	<50.1	**3,070**
AH-5 @ 2'	1/9/2024	2	**Excavate**	<0.00199	<0.00199	<0.00199	<0.00398	<0.00199	<0.00398	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	**4,690**
AH-5 @ 3'	1/9/2024	3	**Excavate**	<0.00200	<0.00200	<0.00200	<0.00399	<0.00200	<0.00399	<0.00399	<50.4	<50.4	<50.4	<50.4	<50.4	**4,710**
AH-5 @ 4'	1/9/2024	4	No Action	<0.00198	<0.00198	<0.00198	<0.00396	<0.00198	<0.00396	<0.00396	<50.5	<50.5	<50.5	<50.5	<50.5	4,000

Exceeds NMOCD Closure Criteria
Remedial Excavation Proposed

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # *(assigned by OCD)*
Contact mailing address	

Location of Release Source

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Site Type
Date Release Discovered	API# *(if applicable)*

Unit Letter	Section	Township	Range	County

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☐ Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)
Cause of Release		

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☐ The source of the release has been stopped.
☐ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name _____ Title: _____

Signature: __ _____ Date: _____

email: _____ Telephone: _____

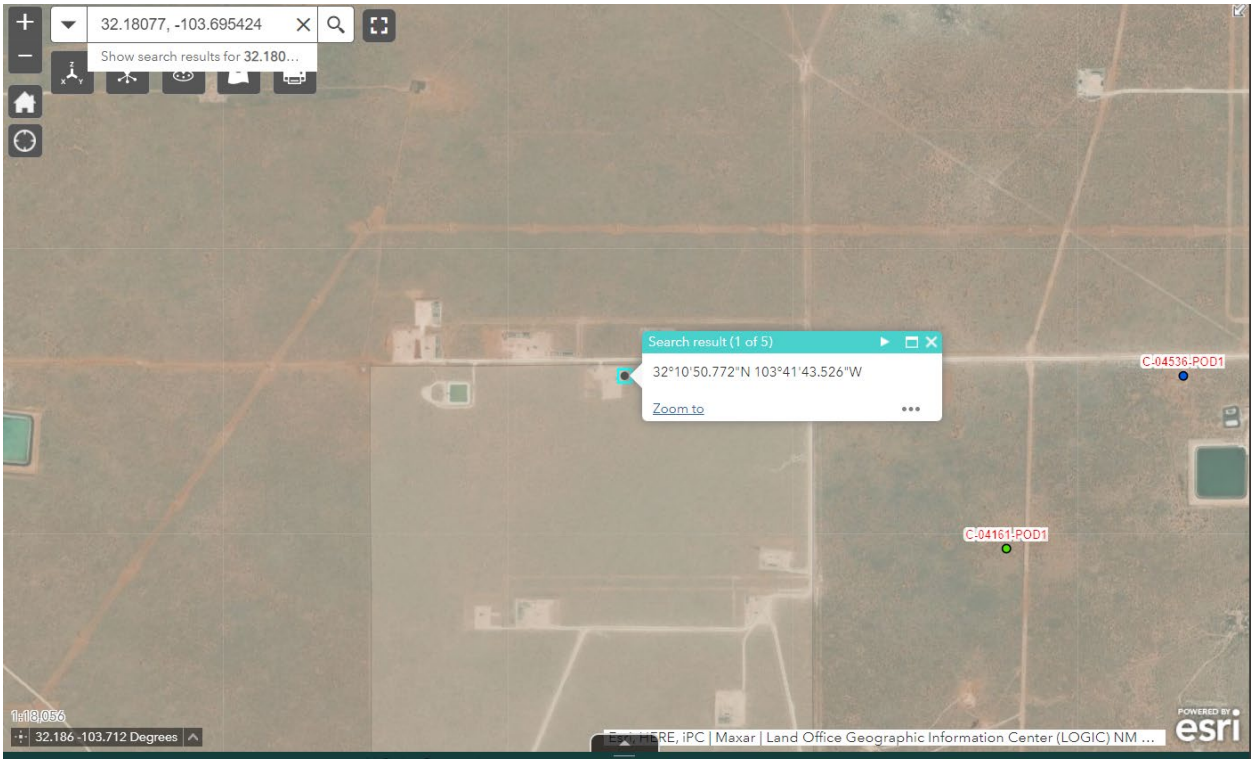
OCD Only

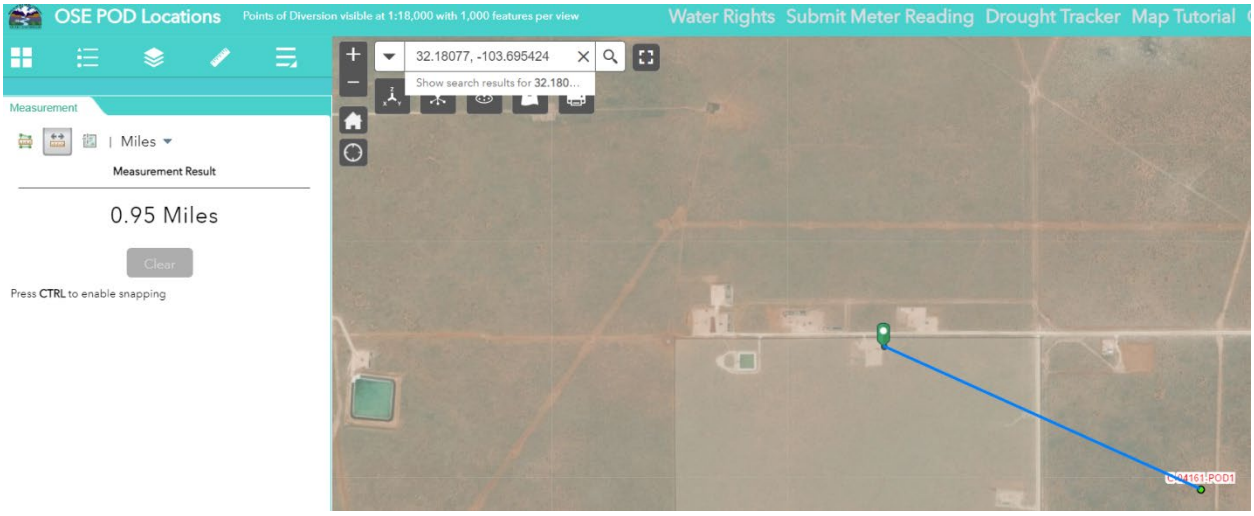
Received by: _____ Date: _____

Spill Calculation - On-Pad Surface Pool Spill

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Average Depth (in.)	Estimated *Pool* Area (sq. ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)
Rectangle A	101	70	0.2	7035.00	20.87	0.00	20.89
Rectangle B	161	6	0.5	966.00	7.16	0.00	7.18
Rectangle C				0.00	0.00	0.00	0.00
Rectangle D				0.00	0.00	0.00	0.00
Rectangle E				0.00	0.00	0.00	0.00
Rectangle F				0.00	0.00	0.00	0.00
Rectangle G				0.00	0.00	0.00	0.00
Rectangle H				0.00	0.00	0.00	0.00
Rectangle I				0.00	0.00	0.00	0.00
Rectangle J				0.00	0.00	0.00	0.00
				Total Surface Pool Volume Released, Release to Soil/Caliche:			28.0673

Location to C-04601-POD1





New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 04161 **Subbasin:** C **Cross Reference:** -

Primary Purpose: DOL 72-12-1 DOMESTIC AND LIVESTOCK WATERING

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 3 **Cause/Case:** -

Agent: DJ ENGINEERING INC

Contact: DALE JOHNSON

Owner: JEFF ROBBINS

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	616613	72121	2017-11-21	PMT	APR	C 04161 POD1	T		3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
C 04161 POD1	20662		4	4	1	33	24S	32E	624386	3560611	0.5 MILES WEST OF ORLA ROAD

New Mexico Office of the State Engineer

Transaction Summary

72121 All Applications Under Statute 72-12-1

Transaction Number: 616613 **Transaction Desc:** C 04161 POD1 **File Date:** 10/23/2017

Primary Status: PMT Permit
Secondary Status: APR Approved
Person Assigned: *******
Agent: DJ ENGINEERING INC
Contact: DALE JOHNSON
Applicant: JEFF ROBBINS

Events

	Date	Type	Description	Comment	Processed By
get images	10/23/2017	APP	Application Received	*	*******
	11/21/2017	FIN	Final Action on application		*******
	11/21/2017	WAP	General Approval Letter		*******
	12/13/2017	QAT	Quality Assurance Completed	DATA	*******
	12/27/2017	QAT	Quality Assurance Completed	IMAGE	*******

Change To:

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
C 04161		3		DOL 72-12-1 DOMESTIC AND LIVESTOCK WATERING
**Point of Diversion				
C 04161 POD1		624386	3560611	

Remarks

THIS IS AN OLD UNDOCUMENTED WELL THAT HAS HIGH TDS BRINE

Remarks

THIS IS AN OLD UNDOCUMENTED WELL THAT HAS HIGH TDS BRINE WATER. WE WANT TO EVALUATE THE POSSIBILITY OF CLEANING THE WATER FOR RANCH USE AS WELL WE WOULD LIKE TO POSSIBLY SELL THE WATER AFTER CLEANING IF IT CAN BE DONE PROFITABLE/ECONOMICALLY.

Conditions

1A Depth of the well shall not exceed the thickness of the valley fill.

10 Total diversion from all wells under this permit number shall not exceed 3 acre-feet per annum.

19 This permit authorizes the diversion of water for domestic use to serve a single household and livestock. The maximum combined total diversion of water under this permit shall not exceed 3 acre-feet per year.

P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between hydrogeologic zones.

Q The State Engineer retains jurisdiction over this permit.

Action of the State Engineer

IT IS THE PERMITTEE'S RESPONSIBILITY TO OBTAIN ALL AUTHORIZATIONS AND PERMISSIONS TO DRILL ON PROPERTY OF OTHER OWNERSHIP BEFORE COMMENCING ACTIVITIES UNDER THIS PERMIT. SEE ALL GENERAL CONDITIONS OF APPROVAL.

**** See Image For Any Additional Conditions of Approval ****

Approval Code: A - Approved

Action Date: 11/21/2017

State Engineer: Tom Blaine, P.E.

4 4:44 PM TRANSACTION SUMMARY

New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
20662	C 04161 POD1	4	4	1	33	24S	32E	624386	3560611

Driller License: **Driller Company:**

Driller Name:

Drill Start Date: **Drill Finish Date:** **Plug Date:**

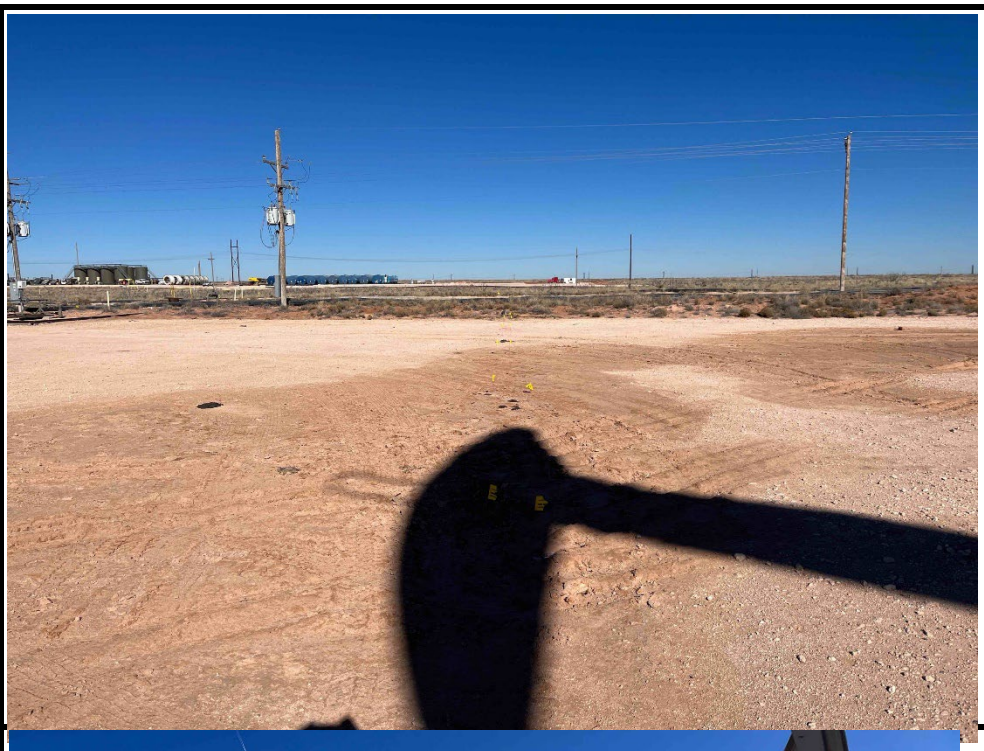
Log File Date: **PCW Rcv Date:** **Source:**

Pump Type: **Pipe Discharge Size:** **Estimated Yield:**

Casing Size: **Depth Well:** **Depth Water:**

COG- Azores Water Line
1/9/2024

Photographic Documentation

Photograph No. 1 **Date:** **1/9/2024** **Direction:** **West** **Description:** **View of pad release footprint.**	
Photograph No. 2 **Date:** **1/9/2024** **Direction:** **North** **Description:** **View of pad release footprint.**	

COG- Azores Water Line
1/9/2024

Photographic Documentation

Photograph No. 3 **Date:** **1/9/2024** **Direction:** **Southwest** **Description:** **View of pad release footprint.**	
Photograph No. 4 **Date:** **1/9/2024** **Direction:** **Northeast** **Description:** **View of pad release footprint.**	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 1/16/2024 9:58:53 AM

JOB DESCRIPTION

COP-Azores Federal COM
Lea Co. New Mexico

JOB NUMBER

880-37809-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

my EOL

Eurofins Midland

Job Notes

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

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

Authorization

Generated
1/16/2024 9:58:53 AM

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

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Laboratory Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Table of Contents

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 880-37809-1
Project/Site: COP-Azores Federal COM SDG: Lea Co. New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: TRC Solutions, Inc.
Project: COP-Azores Federal COM

Job ID: 880-37809-1

Job ID: 880-37809-1 Eurofins Midland

Job Narrative
880-37809-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 1/10/2024 4:51 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 5.5°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: AH-1 @ 0-1' (880-37809-1), AH-1 @ 2' (880-37809-2), AH-1 @ 3' (880-37809-3), AH-1 @ 3.5' R (880-37809-4), AH-2 @ 0-1' (880-37809-5), AH-2 @ 2' (880-37809-6), AH-2 @ 2.5' R (880-37809-7), AH-3 @ 0-1' (880-37809-8), AH-3 @ 2' (880-37809-9), AH-3 @ 2.5' R (880-37809-10), AH-4 @ 0-1' (880-37809-11), AH-4 @ 2' (880-37809-12), AH-4 @ 3'R (880-37809-13), AH-5 @ 0-1' (880-37809-14), AH-5 @ 2' (880-37809-15), AH-5 @ 3' (880-37809-16), AH-5 @ 4' (880-37809-17), N-1 (880-37809-18), N-2 (880-37809-19), S-1 (880-37809-20), S-2 (880-37809-21), W-1 (880-37809-22) and E-1 (880-37809-23).

GC VOA
Method 8021B: Surrogate recovery for the following samples were outside control limits: N-1 (880-37809-18) and S-1 (880-37809-20). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-70782 and analytical batch 880-70718 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-70718 recovered above the upper control limit for Ethylbenzene, m,p-Xylenes and o-Xylene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-70718/113).

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-70634 and analytical batch 880-70622 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: AH-1 @ 3.5' R (880-37809-4) and AH-5 @ 0-1' (880-37809-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-70634/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-70792 and analytical batch 880-70811 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: S-2 (880-37809-21), W-1 (880-37809-22), E-1 (880-37809-23), (880-37809-A-21-E MS) and (880-37809-A-21-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Case Narrative

Client: TRC Solutions, Inc. Job ID: 880-37809-1
Project: COP-Azores Federal COM

Job ID: 880-37809-1 (Continued) Eurofins Midland

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-70792 and analytical batch 880-70811 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-70631 and analytical batch 880-70699 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-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-1 @ 0-1'

Lab Sample ID: 880-37809-1
Matrix: Solid
Date Collected: 01/09/24 11:10
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/12/24 15:06	01/14/24 09:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/12/24 15:06	01/14/24 09:52	1
Ethylbenzene	<0.00199	U F2 F1	0.00199		mg/Kg		01/12/24 15:06	01/14/24 09:52	1
m,p-Xylenes	<0.00398	U F2 F1	0.00398		mg/Kg		01/12/24 15:06	01/14/24 09:52	1
o-Xylene	<0.00199	U F2	0.00199		mg/Kg		01/12/24 15:06	01/14/24 09:52	1
Xylenes, Total	<0.00398	U F2 F1	0.00398		mg/Kg		01/12/24 15:06	01/14/24 09:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*01/12/24 15:06*	*01/14/24 09:52*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*01/12/24 15:06*	*01/14/24 09:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/14/24 09:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/11/24 10:45	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/24 09:37	01/11/24 10:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/24 09:37	01/11/24 10:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/24 09:37	01/11/24 10:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*77*		*70 - 130*	*01/11/24 09:37*	*01/11/24 10:45*	*1*
o-Terphenyl (Surr)	*98*		*70 - 130*	*01/11/24 09:37*	*01/11/24 10:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**384**		4.98		mg/Kg			01/12/24 13:18	1

Client Sample ID: AH-1 @ 2'

Lab Sample ID: 880-37809-2
Matrix: Solid
Date Collected: 01/09/24 11:12
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 10:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 10:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 10:13	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		01/12/24 15:06	01/14/24 10:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 10:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/12/24 15:06	01/14/24 10:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*01/12/24 15:06*	*01/14/24 10:13*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*01/12/24 15:06*	*01/14/24 10:13*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-1 @ 2'

Lab Sample ID: 880-37809-2
Matrix: Solid
Date Collected: 01/09/24 11:12
Date Received: 01/10/24 16:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/14/24 10:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			01/11/24 11:57	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		01/11/24 09:37	01/11/24 11:57	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/11/24 09:37	01/11/24 11:57	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/11/24 09:37	01/11/24 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*74*		*70 - 130*	*01/11/24 09:37*	*01/11/24 11:57*	*1*
o-Terphenyl (Surr)	*92*		*70 - 130*	*01/11/24 09:37*	*01/11/24 11:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**242**		5.00		mg/Kg			01/12/24 13:39	1

Client Sample ID: AH-1 @ 3'

Lab Sample ID: 880-37809-3
Matrix: Solid
Date Collected: 01/09/24 11:14
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/12/24 15:06	01/14/24 10:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/12/24 15:06	01/14/24 10:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/12/24 15:06	01/14/24 10:33	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		01/12/24 15:06	01/14/24 10:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/12/24 15:06	01/14/24 10:33	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/12/24 15:06	01/14/24 10:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*01/12/24 15:06*	*01/14/24 10:33*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*01/12/24 15:06*	*01/14/24 10:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/14/24 10:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/11/24 12:19	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/11/24 09:37	01/11/24 12:19	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/11/24 09:37	01/11/24 12:19	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-1 @ 3'

Lab Sample ID: 880-37809-3
Matrix: Solid
Date Collected: 01/09/24 11:14
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/11/24 09:37	01/11/24 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*98*		*70 - 130*	*01/11/24 09:37*	*01/11/24 12:19*	*1*
o-Terphenyl (Surr)	*124*		*70 - 130*	*01/11/24 09:37*	*01/11/24 12:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**436**		4.95		mg/Kg			01/12/24 13:46	1

Client Sample ID: AH-1 @ 3.5' R

Lab Sample ID: 880-37809-4
Matrix: Solid
Date Collected: 01/09/24 11:16
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/12/24 15:06	01/14/24 10:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/12/24 15:06	01/14/24 10:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/12/24 15:06	01/14/24 10:54	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		01/12/24 15:06	01/14/24 10:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/12/24 15:06	01/14/24 10:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/12/24 15:06	01/14/24 10:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*01/12/24 15:06*	*01/14/24 10:54*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*01/12/24 15:06*	*01/14/24 10:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/14/24 10:54	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/11/24 12:42	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/11/24 09:37	01/11/24 12:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/11/24 09:37	01/11/24 12:42	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/24 09:37	01/11/24 12:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*107*		*70 - 130*	*01/11/24 09:37*	*01/11/24 12:42*	*1*
o-Terphenyl (Surr)	*135*	*S1+*	*70 - 130*	*01/11/24 09:37*	*01/11/24 12:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**480**		4.99		mg/Kg			01/12/24 13:53	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-2 @ 0-1'

Lab Sample ID: 880-37809-5
Matrix: Solid
Date Collected: 01/09/24 11:20
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 11:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 11:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 11:14	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		01/12/24 15:06	01/14/24 11:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 11:14	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/12/24 15:06	01/14/24 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*01/12/24 15:06*	*01/14/24 11:14*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*01/12/24 15:06*	*01/14/24 11:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/14/24 11:14	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/11/24 13:04	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/11/24 09:37	01/11/24 13:04	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/11/24 09:37	01/11/24 13:04	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/11/24 09:37	01/11/24 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*01/11/24 09:37*	*01/11/24 13:04*	*1*
o-Terphenyl (Surr)	*117*		*70 - 130*	*01/11/24 09:37*	*01/11/24 13:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1320**		25.2		mg/Kg			01/12/24 14:00	5

Client Sample ID: AH-2 @ 2'

Lab Sample ID: 880-37809-6
Matrix: Solid
Date Collected: 01/09/24 11:22
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 11:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 11:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 11:35	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		01/12/24 15:06	01/14/24 11:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 11:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/12/24 15:06	01/14/24 11:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*01/12/24 15:06*	*01/14/24 11:35*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*01/12/24 15:06*	*01/14/24 11:35*	*1*

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-2 @ 2'

Lab Sample ID: 880-37809-6
Matrix: Solid
Date Collected: 01/09/24 11:22
Date Received: 01/10/24 16:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/14/24 11:35	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			01/11/24 13:27	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		01/11/24 09:37	01/11/24 13:27	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		01/11/24 09:37	01/11/24 13:27	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		01/11/24 09:37	01/11/24 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*99*		*70 - 130*	*01/11/24 09:37*	*01/11/24 13:27*	*1*
o-Terphenyl (Surr)	*127*		*70 - 130*	*01/11/24 09:37*	*01/11/24 13:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**162**		4.97		mg/Kg			01/12/24 14:23	1

Client Sample ID: AH-2 @ 2.5' R

Lab Sample ID: 880-37809-7
Matrix: Solid
Date Collected: 01/09/24 11:24
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 11:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 11:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 11:55	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		01/12/24 15:06	01/14/24 11:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 11:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/12/24 15:06	01/14/24 11:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*01/12/24 15:06*	*01/14/24 11:55*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*01/12/24 15:06*	*01/14/24 11:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/14/24 11:55	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			01/11/24 13:49	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		01/11/24 09:37	01/11/24 13:49	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		01/11/24 09:37	01/11/24 13:49	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-2 @ 2.5' R

Lab Sample ID: 880-37809-7
Matrix: Solid
Date Collected: 01/09/24 11:24
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		01/11/24 09:37	01/11/24 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*01/11/24 09:37*	*01/11/24 13:49*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*01/11/24 09:37*	*01/11/24 13:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.2**		4.96		mg/Kg			01/12/24 14:30	1

Client Sample ID: AH-3 @ 0-1'

Lab Sample ID: 880-37809-8
Matrix: Solid
Date Collected: 01/09/24 12:00
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/12/24 15:06	01/14/24 12:16	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/12/24 15:06	01/14/24 12:16	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/12/24 15:06	01/14/24 12:16	1
m,p-Xylenes	<0.00404	U	0.00404		mg/Kg		01/12/24 15:06	01/14/24 12:16	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/12/24 15:06	01/14/24 12:16	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		01/12/24 15:06	01/14/24 12:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*01/12/24 15:06*	*01/14/24 12:16*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*01/12/24 15:06*	*01/14/24 12:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			01/14/24 12:16	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			01/11/24 14:11	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		01/11/24 09:37	01/11/24 14:11	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/11/24 09:37	01/11/24 14:11	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/11/24 09:37	01/11/24 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*01/11/24 09:37*	*01/11/24 14:11*	*1*
o-Terphenyl (Surr)	*114*		*70 - 130*	*01/11/24 09:37*	*01/11/24 14:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3870**		24.9		mg/Kg			01/12/24 14:37	5

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-3 @ 2'

Lab Sample ID: 880-37809-9
Matrix: Solid
Date Collected: 01/09/24 12:05
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 12:36	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 12:36	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 12:36	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		01/12/24 15:06	01/14/24 12:36	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 12:36	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/12/24 15:06	01/14/24 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*01/12/24 15:06*	*01/14/24 12:36*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/12/24 15:06*	*01/14/24 12:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/14/24 12:36	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			01/11/24 14:33	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		01/11/24 09:37	01/11/24 14:33	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/11/24 09:37	01/11/24 14:33	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/11/24 09:37	01/11/24 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*92*		*70 - 130*	*01/11/24 09:37*	*01/11/24 14:33*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*01/11/24 09:37*	*01/11/24 14:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4330**		50.5		mg/Kg			01/12/24 14:44	10

Client Sample ID: AH-3 @ 2.5' R

Lab Sample ID: 880-37809-10
Matrix: Solid
Date Collected: 01/09/24 12:10
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/12/24 15:06	01/14/24 12:57	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/12/24 15:06	01/14/24 12:57	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/12/24 15:06	01/14/24 12:57	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		01/12/24 15:06	01/14/24 12:57	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/12/24 15:06	01/14/24 12:57	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/12/24 15:06	01/14/24 12:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*01/12/24 15:06*	*01/14/24 12:57*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/12/24 15:06*	*01/14/24 12:57*	*1*

Client Sample Results

Client: TRC Solutions, Inc. Job ID: 880-37809-1
Project/Site: COP-Azores Federal COM SDG: Lea Co. New Mexico

Client Sample ID: AH-3 @ 2.5' R
Lab Sample ID: 880-37809-10
Date Collected: 01/09/24 12:10 **Matrix: Solid**
Date Received: 01/10/24 16:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/14/24 12:57	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/11/24 14:54	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/24 09:37	01/11/24 14:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/24 09:37	01/11/24 14:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/24 09:37	01/11/24 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*01/11/24 09:37*	*01/11/24 14:54*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*01/11/24 09:37*	*01/11/24 14:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3100**		25.1		mg/Kg			01/12/24 14:51	5

Client Sample ID: AH-4 @ 0-1'
Lab Sample ID: 880-37809-11
Date Collected: 01/09/24 12:30 **Matrix: Solid**
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 14:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 14:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 14:20	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		01/12/24 15:06	01/14/24 14:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 14:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/12/24 15:06	01/14/24 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*01/12/24 15:06*	*01/14/24 14:20*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/12/24 15:06*	*01/14/24 14:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/14/24 14:20	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/11/24 15:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/11/24 09:37	01/11/24 15:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/11/24 09:37	01/11/24 15:38	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-4 @ 0-1'

Lab Sample ID: 880-37809-11
Matrix: Solid
Date Collected: 01/09/24 12:30
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/24 09:37	01/11/24 15:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*84*		*70 - 130*	*01/11/24 09:37*	*01/11/24 15:38*	*1*
o-Terphenyl (Surr)	*108*		*70 - 130*	*01/11/24 09:37*	*01/11/24 15:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4120**	**F1**	50.1		mg/Kg			01/12/24 14:58	10

Client Sample ID: AH-4 @ 2'

Lab Sample ID: 880-37809-12
Matrix: Solid
Date Collected: 01/09/24 12:32
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 14:41	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 14:41	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 14:41	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		01/12/24 15:06	01/14/24 14:41	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 14:41	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/12/24 15:06	01/14/24 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*01/12/24 15:06*	*01/14/24 14:41*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*01/12/24 15:06*	*01/14/24 14:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/14/24 14:41	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			01/11/24 16:24	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		01/11/24 09:37	01/11/24 16:24	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		01/11/24 09:37	01/11/24 16:24	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		01/11/24 09:37	01/11/24 16:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*01/11/24 09:37*	*01/11/24 16:24*	*1*
o-Terphenyl (Surr)	*115*		*70 - 130*	*01/11/24 09:37*	*01/11/24 16:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**248**		4.99		mg/Kg			01/12/24 15:19	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-4 @ 3'R

Lab Sample ID: 880-37809-13
Matrix: Solid
Date Collected: 01/09/24 12:34
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 15:01	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 15:01	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 15:01	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		01/12/24 15:06	01/14/24 15:01	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 15:01	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/12/24 15:06	01/14/24 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*01/12/24 15:06*	*01/14/24 15:01*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*01/12/24 15:06*	*01/14/24 15:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/14/24 15:01	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			01/11/24 16:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/24 09:37	01/11/24 16:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/24 09:37	01/11/24 16:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/24 09:37	01/11/24 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*91*		*70 - 130*	*01/11/24 09:37*	*01/11/24 16:46*	*1*
o-Terphenyl (Surr)	*120*		*70 - 130*	*01/11/24 09:37*	*01/11/24 16:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2230**		24.9		mg/Kg			01/12/24 15:26	5

Client Sample ID: AH-5 @ 0-1'

Lab Sample ID: 880-37809-14
Matrix: Solid
Date Collected: 01/09/24 13:20
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		01/12/24 15:06	01/14/24 15:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		01/12/24 15:06	01/14/24 15:22	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		01/12/24 15:06	01/14/24 15:22	1
m,p-Xylenes	<0.00403	U	0.00403		mg/Kg		01/12/24 15:06	01/14/24 15:22	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		01/12/24 15:06	01/14/24 15:22	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		01/12/24 15:06	01/14/24 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*01/12/24 15:06*	*01/14/24 15:22*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*01/12/24 15:06*	*01/14/24 15:22*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-5 @ 0-1'

Lab Sample ID: 880-37809-14
Matrix: Solid
Date Collected: 01/09/24 13:20
Date Received: 01/10/24 16:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			01/14/24 15:22	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			01/11/24 17:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		01/11/24 09:37	01/11/24 17:08	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		01/11/24 09:37	01/11/24 17:08	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		01/11/24 09:37	01/11/24 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*108*		*70 - 130*	*01/11/24 09:37*	*01/11/24 17:08*	*1*
o-Terphenyl (Surr)	*137*	*S1+*	*70 - 130*	*01/11/24 09:37*	*01/11/24 17:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3070**		24.8		mg/Kg			01/12/24 15:47	5

Client Sample ID: AH-5 @ 2'

Lab Sample ID: 880-37809-15
Matrix: Solid
Date Collected: 01/09/24 13:22
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/12/24 15:06	01/14/24 15:42	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/12/24 15:06	01/14/24 15:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/12/24 15:06	01/14/24 15:42	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		01/12/24 15:06	01/14/24 15:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/12/24 15:06	01/14/24 15:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/12/24 15:06	01/14/24 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*01/12/24 15:06*	*01/14/24 15:42*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*01/12/24 15:06*	*01/14/24 15:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/14/24 15:42	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			01/11/24 17:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		01/11/24 09:37	01/11/24 17:30	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		01/11/24 09:37	01/11/24 17:30	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-5 @ 2'

Lab Sample ID: 880-37809-15
Matrix: Solid
Date Collected: 01/09/24 13:22
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		01/11/24 09:37	01/11/24 17:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*100*		*70 - 130*	*01/11/24 09:37*	*01/11/24 17:30*	*1*
o-Terphenyl (Surr)	*128*		*70 - 130*	*01/11/24 09:37*	*01/11/24 17:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4690**		49.7		mg/Kg			01/12/24 15:54	10

Client Sample ID: AH-5 @ 3'

Lab Sample ID: 880-37809-16
Matrix: Solid
Date Collected: 01/09/24 13:24
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 16:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 16:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 16:03	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		01/12/24 15:06	01/14/24 16:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 16:03	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/12/24 15:06	01/14/24 16:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*	*01/12/24 15:06*	*01/14/24 16:03*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*01/12/24 15:06*	*01/14/24 16:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/14/24 16:03	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			01/11/24 17:52	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		01/11/24 09:37	01/11/24 17:52	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		01/11/24 09:37	01/11/24 17:52	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		01/11/24 09:37	01/11/24 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*93*		*70 - 130*	*01/11/24 09:37*	*01/11/24 17:52*	*1*
o-Terphenyl (Surr)	*122*		*70 - 130*	*01/11/24 09:37*	*01/11/24 17:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4710**		50.0		mg/Kg			01/12/24 16:01	10

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-5 @ 4'

Lab Sample ID: 880-37809-17
Matrix: Solid
Date Collected: 01/09/24 13:26
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 16:23	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 16:23	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 16:23	1
m,p-Xylenes	<0.00396	U	0.00396		mg/Kg		01/12/24 15:06	01/14/24 16:23	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 16:23	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/12/24 15:06	01/14/24 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*01/12/24 15:06*	*01/14/24 16:23*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*01/12/24 15:06*	*01/14/24 16:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/14/24 16:23	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			01/11/24 18:14	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		01/11/24 09:37	01/11/24 18:14	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		01/11/24 09:37	01/11/24 18:14	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		01/11/24 09:37	01/11/24 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*96*		*70 - 130*	*01/11/24 09:37*	*01/11/24 18:14*	*1*
o-Terphenyl (Surr)	*126*		*70 - 130*	*01/11/24 09:37*	*01/11/24 18:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4000**		50.0		mg/Kg			01/12/24 16:07	10

Client Sample ID: N-1

Lab Sample ID: 880-37809-18
Matrix: Solid
Date Collected: 01/09/24 14:20
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 16:44	1
Toluene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 16:44	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 16:44	1
m,p-Xylenes	<0.00402	U	0.00402		mg/Kg		01/12/24 15:06	01/14/24 16:44	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		01/12/24 15:06	01/14/24 16:44	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		01/12/24 15:06	01/14/24 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*59*	*S1-*	*70 - 130*	*01/12/24 15:06*	*01/14/24 16:44*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*01/12/24 15:06*	*01/14/24 16:44*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: N-1

Lab Sample ID: 880-37809-18
Matrix: Solid
Date Collected: 01/09/24 14:20
Date Received: 01/10/24 16:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			01/14/24 16:44	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			01/11/24 18:36	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		01/11/24 09:37	01/11/24 18:36	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		01/11/24 09:37	01/11/24 18:36	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		01/11/24 09:37	01/11/24 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*89*		*70 - 130*	*01/11/24 09:37*	*01/11/24 18:36*	*1*
o-Terphenyl (Surr)	*116*		*70 - 130*	*01/11/24 09:37*	*01/11/24 18:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**140**		4.99		mg/Kg			01/12/24 16:14	1

Client Sample ID: N-2

Lab Sample ID: 880-37809-19
Matrix: Solid
Date Collected: 01/09/24 14:32
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 17:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 17:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 17:05	1
m,p-Xylenes	<0.00397	U	0.00397		mg/Kg		01/12/24 15:06	01/14/24 17:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/12/24 15:06	01/14/24 17:05	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		01/12/24 15:06	01/14/24 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*01/12/24 15:06*	*01/14/24 17:05*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*01/12/24 15:06*	*01/14/24 17:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			01/14/24 17:05	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/11/24 18:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/11/24 09:37	01/11/24 18:58	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/11/24 09:37	01/11/24 18:58	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: N-2

Lab Sample ID: 880-37809-19
Matrix: Solid
Date Collected: 01/09/24 14:32
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/11/24 09:37	01/11/24 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*90*		*70 - 130*	*01/11/24 09:37*	*01/11/24 18:58*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*01/11/24 09:37*	*01/11/24 18:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**31.2**		5.04		mg/Kg			01/12/24 16:21	1

Client Sample ID: S-1

Lab Sample ID: 880-37809-20
Matrix: Solid
Date Collected: 01/09/24 14:15
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 17:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 17:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 17:25	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		01/12/24 15:06	01/14/24 17:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 17:25	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/12/24 15:06	01/14/24 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*64*	*S1-*	*70 - 130*	*01/12/24 15:06*	*01/14/24 17:25*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*01/12/24 15:06*	*01/14/24 17:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/14/24 17:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/11/24 19:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/11/24 09:37	01/11/24 19:21	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/11/24 09:37	01/11/24 19:21	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/11/24 09:37	01/11/24 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*94*		*70 - 130*	*01/11/24 09:37*	*01/11/24 19:21*	*1*
o-Terphenyl (Surr)	*118*		*70 - 130*	*01/11/24 09:37*	*01/11/24 19:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**32.7**		4.97		mg/Kg			01/12/24 16:28	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: S-2

Lab Sample ID: 880-37809-21
Matrix: Solid
Date Collected: 01/09/24 14:25
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		01/15/24 12:53	01/15/24 23:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		01/15/24 12:53	01/15/24 23:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		01/15/24 12:53	01/15/24 23:17	1
m,p-Xylenes	<0.00398	U	0.00398		mg/Kg		01/15/24 12:53	01/15/24 23:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		01/15/24 12:53	01/15/24 23:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		01/15/24 12:53	01/15/24 23:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*01/15/24 12:53*	*01/15/24 23:17*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*01/15/24 12:53*	*01/15/24 23:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			01/15/24 23:17	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/14/24 12:04	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		01/12/24 17:11	01/14/24 12:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		01/12/24 17:11	01/14/24 12:04	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/12/24 17:11	01/14/24 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*173*	*S1+*	*70 - 130*	*01/12/24 17:11*	*01/14/24 12:04*	*1*
o-Terphenyl (Surr)	*142*	*S1+*	*70 - 130*	*01/12/24 17:11*	*01/14/24 12:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.5**		4.98		mg/Kg			01/12/24 15:37	1

Client Sample ID: W-1

Lab Sample ID: 880-37809-22
Matrix: Solid
Date Collected: 01/09/24 14:27
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/24 12:53	01/15/24 23:38	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/24 12:53	01/15/24 23:38	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/24 12:53	01/15/24 23:38	1
m,p-Xylenes	<0.00399	U	0.00399		mg/Kg		01/15/24 12:53	01/15/24 23:38	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/24 12:53	01/15/24 23:38	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		01/15/24 12:53	01/15/24 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*01/15/24 12:53*	*01/15/24 23:38*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*01/15/24 12:53*	*01/15/24 23:38*	*1*

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: W-1

Lab Sample ID: 880-37809-22
Matrix: Solid
Date Collected: 01/09/24 14:27
Date Received: 01/10/24 16:51

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			01/15/24 23:38	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			01/14/24 13:08	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		01/12/24 17:11	01/14/24 13:08	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		01/12/24 17:11	01/14/24 13:08	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		01/12/24 17:11	01/14/24 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*146*	*S1+*	*70 - 130*	*01/12/24 17:11*	*01/14/24 13:08*	*1*
o-Terphenyl (Surr)	*127*		*70 - 130*	*01/12/24 17:11*	*01/14/24 13:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**158**		5.00		mg/Kg			01/12/24 15:53	1

Client Sample ID: E-1

Lab Sample ID: 880-37809-23
Matrix: Solid
Date Collected: 01/09/24 14:30
Date Received: 01/10/24 16:51

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/24 12:53	01/15/24 23:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/24 12:53	01/15/24 23:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/24 12:53	01/15/24 23:58	1
m,p-Xylenes	<0.00401	U	0.00401		mg/Kg		01/15/24 12:53	01/15/24 23:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/24 12:53	01/15/24 23:58	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		01/15/24 12:53	01/15/24 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*01/15/24 12:53*	*01/15/24 23:58*	*1*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*	*01/15/24 12:53*	*01/15/24 23:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			01/15/24 23:58	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			01/14/24 13:30	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/12/24 17:11	01/14/24 13:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/12/24 17:11	01/14/24 13:30	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: E-1
Date Collected: 01/09/24 14:30
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-23
Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/12/24 17:11	01/14/24 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane (Surr)	*162*	*S1+*	*70 - 130*	*01/12/24 17:11*	*01/14/24 13:30*	*1*
o-Terphenyl (Surr)	*129*		*70 - 130*	*01/12/24 17:11*	*01/14/24 13:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.95	U	4.95		mg/Kg			01/12/24 15:58	1

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-37809-1	AH-1 @ 0-1'	71	93
880-37809-1 MS	AH-1 @ 0-1'	93	107
880-37809-1 MSD	AH-1 @ 0-1'	127	100
880-37809-2	AH-1 @ 2'	94	80
880-37809-3	AH-1 @ 3'	83	85
880-37809-4	AH-1 @ 3.5' R	84	87
880-37809-5	AH-2 @ 0-1'	81	81
880-37809-6	AH-2 @ 2'	84	85
880-37809-7	AH-2 @ 2.5' R	101	78
880-37809-8	AH-3 @ 0-1'	84	91
880-37809-9	AH-3 @ 2'	83	89
880-37809-10	AH-3 @ 2.5' R	84	88
880-37809-11	AH-4 @ 0-1'	80	89
880-37809-12	AH-4 @ 2'	85	83
880-37809-13	AH-4 @ 3'R	86	85
880-37809-14	AH-5 @ 0-1'	81	84
880-37809-15	AH-5 @ 2'	86	84
880-37809-16	AH-5 @ 3'	81	83
880-37809-17	AH-5 @ 4'	88	80
880-37809-18	N-1	59 S1-	73
880-37809-19	N-2	85	79
880-37809-20	S-1	64 S1-	94
880-37809-21	S-2	80	89
880-37809-21 MS	S-2	108	102
880-37809-21 MSD	S-2	108	85
880-37809-22	W-1	78	85
880-37809-23	E-1	84	83
LCS 880-70782/1-A	Lab Control Sample	95	108
LCS 880-70858/1-A	Lab Control Sample	109	104
LCSD 880-70782/2-A	Lab Control Sample Dup	92	106
LCSD 880-70858/2-A	Lab Control Sample Dup	119	108
MB 880-70508/5-A	Method Blank	74	84
MB 880-70782/5-A	Method Blank	76	86
MB 880-70840/5-A	Method Blank	75	88
MB 880-70858/5-A	Method Blank	71	90

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-37809-1	AH-1 @ 0-1'	77	98
880-37809-1 MS	AH-1 @ 0-1'	77	85
880-37809-1 MSD	AH-1 @ 0-1'	88	91
880-37809-2	AH-1 @ 2'	74	92

Surrogate Summary

Client: TRC Solutions, Inc. Job ID: 880-37809-1
Project/Site: COP-Azores Federal COM SDG: Lea Co. New Mexico

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
880-37809-3	AH-1 @ 3'	98	124								
880-37809-4	AH-1 @ 3.5' R	107	135 S1+								
880-37809-5	AH-2 @ 0-1'	92	117								
880-37809-6	AH-2 @ 2'	99	127								
880-37809-7	AH-2 @ 2.5' R	96	118								
880-37809-8	AH-3 @ 0-1'	92	114								
880-37809-9	AH-3 @ 2'	92	118								
880-37809-10	AH-3 @ 2.5' R	94	120								
880-37809-11	AH-4 @ 0-1'	84	108								
880-37809-12	AH-4 @ 2'	91	115								
880-37809-13	AH-4 @ 3'R	91	120								
880-37809-14	AH-5 @ 0-1'	108	137 S1+								
880-37809-15	AH-5 @ 2'	100	128								
880-37809-16	AH-5 @ 3'	93	122								
880-37809-17	AH-5 @ 4'	96	126								
880-37809-18	N-1	89	116								
880-37809-19	N-2	90	118								
880-37809-20	S-1	94	118								
880-37809-21	S-2	173 S1+	142 S1+								
880-37809-21 MS	S-2	158 S1+	117								
880-37809-21 MSD	S-2	158 S1+	118								
880-37809-22	W-1	146 S1+	127								
880-37809-23	E-1	162 S1+	129								
LCS 880-70634/2-A	Lab Control Sample	99	128								
LCS 880-70792/2-A	Lab Control Sample	88	90								
LCSD 880-70634/3-A	Lab Control Sample Dup	112	137 S1+								
LCSD 880-70792/3-A	Lab Control Sample Dup	99	104								
MB 880-70634/1-A	Method Blank	101	142 S1+								
MB 880-70792/1-A	Method Blank	170 S1+	172 S1+								

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-70508/5-A
Matrix: Solid
Analysis Batch: 70718

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70508

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/09/24 16:58	01/13/24 22:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/09/24 16:58	01/13/24 22:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/09/24 16:58	01/13/24 22:56	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		01/09/24 16:58	01/13/24 22:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/09/24 16:58	01/13/24 22:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/09/24 16:58	01/13/24 22:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*01/09/24 16:58*	*01/13/24 22:56*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*01/09/24 16:58*	*01/13/24 22:56*	*1*

Lab Sample ID: MB 880-70782/5-A
Matrix: Solid
Analysis Batch: 70718

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70782

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 09:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 09:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 09:31	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		01/12/24 15:06	01/14/24 09:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/12/24 15:06	01/14/24 09:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/12/24 15:06	01/14/24 09:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*01/12/24 15:06*	*01/14/24 09:31*	*1*
1,4-Difluorobenzene (Surr)	*86*		*70 - 130*	*01/12/24 15:06*	*01/14/24 09:31*	*1*

Lab Sample ID: LCS 880-70782/1-A
Matrix: Solid
Analysis Batch: 70718

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70782

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1237		mg/Kg		124	70 - 130		
Toluene			0.100	0.1038		mg/Kg		104	70 - 130		
Ethylbenzene			0.100	0.1019		mg/Kg		102	70 - 130		
m,p-Xylenes			0.200	0.2069		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.09896		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*

Lab Sample ID: LCSD 880-70782/2-A
Matrix: Solid
Analysis Batch: 70718

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70782

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1118		mg/Kg		112	70 - 130	10	35

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

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

Lab Sample ID: LCSD 880-70782/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70718 — **Prep Batch: 70782**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene			0.100	0.09406		mg/Kg		94	70 - 130	10	35
Ethylbenzene			0.100	0.09120		mg/Kg		91	70 - 130	11	35
m,p-Xylenes			0.200	0.1869		mg/Kg		93	70 - 130	10	35
o-Xylene			0.100	0.08921		mg/Kg		89	70 - 130	10	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 880-37809-1 MS — **Client Sample ID: AH-1 @ 0-1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70718 — **Prep Batch: 70782**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.1071		mg/Kg		108	70 - 130
Toluene	<0.00199	U	0.0996	0.09018		mg/Kg		90	70 - 130
Ethylbenzene	<0.00199	U F2 F1	0.0996	0.08652		mg/Kg		87	70 - 130
m,p-Xylenes	<0.00398	U F2 F1	0.199	0.1759		mg/Kg		88	70 - 130
o-Xylene	<0.00199	U F2	0.0996	0.08329		mg/Kg		83	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 880-37809-1 MSD — **Client Sample ID: AH-1 @ 0-1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70718 — **Prep Batch: 70782**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1234		mg/Kg		123	70 - 130	14	35
Toluene	<0.00199	U	0.100	0.1031		mg/Kg		102	70 - 130	13	35
Ethylbenzene	<0.00199	U F2 F1	0.100	0.1338	F1 F2	mg/Kg		133	70 - 130	43	35
m,p-Xylenes	<0.00398	U F2 F1	0.201	0.2760	F1 F2	mg/Kg		137	70 - 130	44	35
o-Xylene	<0.00199	U F2	0.100	0.1306	F2	mg/Kg		129	70 - 130	44	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 880-70840/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70828 — **Prep Batch: 70840**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/24 08:59	01/15/24 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/24 08:59	01/15/24 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/24 08:59	01/15/24 11:08	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		01/15/24 08:59	01/15/24 11:08	1

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

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

Lab Sample ID: MB 880-70840/5-A
Matrix: Solid
Analysis Batch: 70828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70840

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/24 08:59	01/15/24 11:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/24 08:59	01/15/24 11:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*01/15/24 08:59*	*01/15/24 11:08*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*01/15/24 08:59*	*01/15/24 11:08*	*1*

Lab Sample ID: MB 880-70858/5-A
Matrix: Solid
Analysis Batch: 70828

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70858

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/15/24 12:53	01/15/24 22:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/15/24 12:53	01/15/24 22:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/15/24 12:53	01/15/24 22:55	1
m,p-Xylenes	<0.00400	U	0.00400		mg/Kg		01/15/24 12:53	01/15/24 22:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/15/24 12:53	01/15/24 22:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/15/24 12:53	01/15/24 22:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*71*		*70 - 130*	*01/15/24 12:53*	*01/15/24 22:55*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*01/15/24 12:53*	*01/15/24 22:55*	*1*

Lab Sample ID: LCS 880-70858/1-A
Matrix: Solid
Analysis Batch: 70828

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70858

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1096		mg/Kg		110	70 - 130		
Toluene			0.100	0.09809		mg/Kg		98	70 - 130		
Ethylbenzene			0.100	0.1043		mg/Kg		104	70 - 130		
m,p-Xylenes			0.200	0.2197		mg/Kg		110	70 - 130		
o-Xylene			0.100	0.1054		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: LCSD 880-70858/2-A
Matrix: Solid
Analysis Batch: 70828

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70858

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1163		mg/Kg		116	70 - 130	6	35
Toluene			0.100	0.09918		mg/Kg		99	70 - 130	1	35
Ethylbenzene			0.100	0.1036		mg/Kg		104	70 - 130	1	35
m,p-Xylenes			0.200	0.2444		mg/Kg		122	70 - 130	11	35
o-Xylene			0.100	0.1171		mg/Kg		117	70 - 130	11	35

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 880-37809-21 MS — **Client Sample ID: S-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70828 — **Prep Batch: 70858**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.0996	0.09727		mg/Kg		98	70 - 130
Toluene	<0.00199	U	0.0996	0.09700		mg/Kg		97	70 - 130
Ethylbenzene	<0.00199	U	0.0996	0.1075		mg/Kg		108	70 - 130
m,p-Xylenes	<0.00398	U	0.199	0.2181		mg/Kg		109	70 - 130
o-Xylene	<0.00199	U	0.0996	0.1034		mg/Kg		104	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 880-37809-21 MSD — **Client Sample ID: S-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70828 — **Prep Batch: 70858**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0990	0.1018		mg/Kg		103	70 - 130	5	35
Toluene	<0.00199	U	0.0990	0.1023		mg/Kg		103	70 - 130	5	35
Ethylbenzene	<0.00199	U	0.0990	0.1072		mg/Kg		108	70 - 130	0	35
m,p-Xylenes	<0.00398	U	0.198	0.2250		mg/Kg		114	70 - 130	3	35
o-Xylene	<0.00199	U	0.0990	0.1068		mg/Kg		108	70 - 130	3	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

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

Lab Sample ID: MB 880-70634/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 70622 — **Prep Batch: 70634**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/11/24 07:37	01/11/24 07:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/11/24 07:37	01/11/24 07:52	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/11/24 07:37	01/11/24 07:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130	01/11/24 07:37	01/11/24 07:52	1
o-Terphenyl (Surr)	142	S1+	70 - 130	01/11/24 07:37	01/11/24 07:52	1

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

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

Lab Sample ID: LCS 880-70634/2-A
Matrix: Solid
Analysis Batch: 70622

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70634

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	704.9		mg/Kg		70	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1020		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*99*		*70 - 130*
o-Terphenyl (Surr)	*128*		*70 - 130*

Lab Sample ID: LCSD 880-70634/3-A
Matrix: Solid
Analysis Batch: 70622

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70634

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	751.4		mg/Kg		75	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	1084		mg/Kg		108	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*112*		*70 - 130*
o-Terphenyl (Surr)	*137*	*S1+*	*70 - 130*

Lab Sample ID: 880-37809-1 MS
Matrix: Solid
Analysis Batch: 70622

Client Sample ID: AH-1 @ 0-1'
Prep Type: Total/NA
Prep Batch: 70634

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	815.5		mg/Kg		78	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	811.9		mg/Kg		81	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*77*		*70 - 130*
o-Terphenyl (Surr)	*85*		*70 - 130*

Lab Sample ID: 880-37809-1 MSD
Matrix: Solid
Analysis Batch: 70622

Client Sample ID: AH-1 @ 0-1'
Prep Type: Total/NA
Prep Batch: 70634

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	796.7		mg/Kg		76	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	897.3		mg/Kg		90	70 - 130	10	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*88*		*70 - 130*

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

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

Lab Sample ID: 880-37809-1 MSD
Matrix: Solid
Analysis Batch: 70622

Client Sample ID: AH-1 @ 0-1'
Prep Type: Total/NA
Prep Batch: 70634

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl (Surr)	91		70 - 130

Lab Sample ID: MB 880-70792/1-A
Matrix: Solid
Analysis Batch: 70811

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 70792

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/12/24 17:11	01/14/24 09:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/12/24 17:11	01/14/24 09:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/12/24 17:11	01/14/24 09:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	170	S1+	70 - 130	01/12/24 17:11	01/14/24 09:00	1
o-Terphenyl (Surr)	172	S1+	70 - 130	01/12/24 17:11	01/14/24 09:00	1

Lab Sample ID: LCS 880-70792/2-A
Matrix: Solid
Analysis Batch: 70811

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 70792

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1087		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	929.5		mg/Kg		93	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane (Surr)	88		70 - 130
o-Terphenyl (Surr)	90		70 - 130

Lab Sample ID: LCSD 880-70792/3-A
Matrix: Solid
Analysis Batch: 70811

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 70792

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1046		mg/Kg		105	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	904.7		mg/Kg		90	70 - 130	3	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane (Surr)	99		70 - 130
o-Terphenyl (Surr)	104		70 - 130

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

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

Lab Sample ID: 880-37809-21 MS
Matrix: Solid
Analysis Batch: 70811

Client Sample ID: S-2
Prep Type: Total/NA
Prep Batch: 70792

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	1010	1410	F1	mg/Kg		136	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1010	1452	F1	mg/Kg		139	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane (Surr)	*158*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*117*		*70 - 130*

Lab Sample ID: 880-37809-21 MSD
Matrix: Solid
Analysis Batch: 70811

Client Sample ID: S-2
Prep Type: Total/NA
Prep Batch: 70792

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	1010	1373	F1	mg/Kg		132	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1010	1493	F1	mg/Kg		143	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane (Surr)	*158*	*S1+*	*70 - 130*
o-Terphenyl (Surr)	*118*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-70631/1-A
Matrix: Solid
Analysis Batch: 70699

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/12/24 12:57	1

Lab Sample ID: LCS 880-70631/2-A
Matrix: Solid
Analysis Batch: 70699

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	234.2		mg/Kg		94	90 - 110		

Lab Sample ID: LCSD 880-70631/3-A
Matrix: Solid
Analysis Batch: 70699

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	234.3		mg/Kg		94	90 - 110	0	20

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-37809-1 MS — **Client Sample ID: AH-1 @ 0-1'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70699

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	384		249	614.0		mg/Kg		92	90 - 110

Lab Sample ID: 880-37809-1 MSD — **Client Sample ID: AH-1 @ 0-1'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70699

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	384		249	611.9		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 880-37809-11 MS — **Client Sample ID: AH-4 @ 0-1'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70699

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	4120	F1	2510	6309	F1	mg/Kg		87	90 - 110

Lab Sample ID: 880-37809-11 MSD — **Client Sample ID: AH-4 @ 0-1'**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70699

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4120	F1	2510	6347	F1	mg/Kg		89	90 - 110	1	20

Lab Sample ID: MB 880-70637/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70700

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			01/12/24 15:21	1

Lab Sample ID: LCS 880-70637/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70700

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-70637/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70700

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	251.8		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-37809-21 MS — **Client Sample ID: S-2**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 70700

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.5		249	258.9		mg/Kg		98	90 - 110

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-37809-21 MSD
Matrix: Solid
Analysis Batch: 70700

Client Sample ID: S-2
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	15.5		249	256.8		mg/Kg		97	90 - 110	1	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

GC VOA

Prep Batch: 70508

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-70508/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 70718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-1	AH-1 @ 0-1'	Total/NA	Solid	8021B	70782
880-37809-2	AH-1 @ 2'	Total/NA	Solid	8021B	70782
880-37809-3	AH-1 @ 3'	Total/NA	Solid	8021B	70782
880-37809-4	AH-1 @ 3.5' R	Total/NA	Solid	8021B	70782
880-37809-5	AH-2 @ 0-1'	Total/NA	Solid	8021B	70782
880-37809-6	AH-2 @ 2'	Total/NA	Solid	8021B	70782
880-37809-7	AH-2 @ 2.5' R	Total/NA	Solid	8021B	70782
880-37809-8	AH-3 @ 0-1'	Total/NA	Solid	8021B	70782
880-37809-9	AH-3 @ 2'	Total/NA	Solid	8021B	70782
880-37809-10	AH-3 @ 2.5' R	Total/NA	Solid	8021B	70782
880-37809-11	AH-4 @ 0-1'	Total/NA	Solid	8021B	70782
880-37809-12	AH-4 @ 2'	Total/NA	Solid	8021B	70782
880-37809-13	AH-4 @ 3'R	Total/NA	Solid	8021B	70782
880-37809-14	AH-5 @ 0-1'	Total/NA	Solid	8021B	70782
880-37809-15	AH-5 @ 2'	Total/NA	Solid	8021B	70782
880-37809-16	AH-5 @ 3'	Total/NA	Solid	8021B	70782
880-37809-17	AH-5 @ 4'	Total/NA	Solid	8021B	70782
880-37809-18	N-1	Total/NA	Solid	8021B	70782
880-37809-19	N-2	Total/NA	Solid	8021B	70782
880-37809-20	S-1	Total/NA	Solid	8021B	70782
MB 880-70508/5-A	Method Blank	Total/NA	Solid	8021B	70508
MB 880-70782/5-A	Method Blank	Total/NA	Solid	8021B	70782
LCS 880-70782/1-A	Lab Control Sample	Total/NA	Solid	8021B	70782
LCSD 880-70782/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	70782
880-37809-1 MS	AH-1 @ 0-1'	Total/NA	Solid	8021B	70782
880-37809-1 MSD	AH-1 @ 0-1'	Total/NA	Solid	8021B	70782

Prep Batch: 70782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-1	AH-1 @ 0-1'	Total/NA	Solid	5035	
880-37809-2	AH-1 @ 2'	Total/NA	Solid	5035	
880-37809-3	AH-1 @ 3'	Total/NA	Solid	5035	
880-37809-4	AH-1 @ 3.5' R	Total/NA	Solid	5035	
880-37809-5	AH-2 @ 0-1'	Total/NA	Solid	5035	
880-37809-6	AH-2 @ 2'	Total/NA	Solid	5035	
880-37809-7	AH-2 @ 2.5' R	Total/NA	Solid	5035	
880-37809-8	AH-3 @ 0-1'	Total/NA	Solid	5035	
880-37809-9	AH-3 @ 2'	Total/NA	Solid	5035	
880-37809-10	AH-3 @ 2.5' R	Total/NA	Solid	5035	
880-37809-11	AH-4 @ 0-1'	Total/NA	Solid	5035	
880-37809-12	AH-4 @ 2'	Total/NA	Solid	5035	
880-37809-13	AH-4 @ 3'R	Total/NA	Solid	5035	
880-37809-14	AH-5 @ 0-1'	Total/NA	Solid	5035	
880-37809-15	AH-5 @ 2'	Total/NA	Solid	5035	
880-37809-16	AH-5 @ 3'	Total/NA	Solid	5035	
880-37809-17	AH-5 @ 4'	Total/NA	Solid	5035	
880-37809-18	N-1	Total/NA	Solid	5035	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

GC VOA (Continued)

Prep Batch: 70782 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-19	N-2	Total/NA	Solid	5035	
880-37809-20	S-1	Total/NA	Solid	5035	
MB 880-70782/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-70782/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-70782/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-37809-1 MS	AH-1 @ 0-1'	Total/NA	Solid	5035	
880-37809-1 MSD	AH-1 @ 0-1'	Total/NA	Solid	5035	

Analysis Batch: 70828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-21	S-2	Total/NA	Solid	8021B	70858
880-37809-22	W-1	Total/NA	Solid	8021B	70858
880-37809-23	E-1	Total/NA	Solid	8021B	70858
MB 880-70840/5-A	Method Blank	Total/NA	Solid	8021B	70840
MB 880-70858/5-A	Method Blank	Total/NA	Solid	8021B	70858
LCS 880-70858/1-A	Lab Control Sample	Total/NA	Solid	8021B	70858
LCSD 880-70858/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	70858
880-37809-21 MS	S-2	Total/NA	Solid	8021B	70858
880-37809-21 MSD	S-2	Total/NA	Solid	8021B	70858

Prep Batch: 70840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-70840/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 70858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-21	S-2	Total/NA	Solid	5035	
880-37809-22	W-1	Total/NA	Solid	5035	
880-37809-23	E-1	Total/NA	Solid	5035	
MB 880-70858/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-70858/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-70858/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-37809-21 MS	S-2	Total/NA	Solid	5035	
880-37809-21 MSD	S-2	Total/NA	Solid	5035	

Analysis Batch: 70953

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-1	AH-1 @ 0-1'	Total/NA	Solid	Total BTEX	
880-37809-2	AH-1 @ 2'	Total/NA	Solid	Total BTEX	
880-37809-3	AH-1 @ 3'	Total/NA	Solid	Total BTEX	
880-37809-4	AH-1 @ 3.5' R	Total/NA	Solid	Total BTEX	
880-37809-5	AH-2 @ 0-1'	Total/NA	Solid	Total BTEX	
880-37809-6	AH-2 @ 2'	Total/NA	Solid	Total BTEX	
880-37809-7	AH-2 @ 2.5' R	Total/NA	Solid	Total BTEX	
880-37809-8	AH-3 @ 0-1'	Total/NA	Solid	Total BTEX	
880-37809-9	AH-3 @ 2'	Total/NA	Solid	Total BTEX	
880-37809-10	AH-3 @ 2.5' R	Total/NA	Solid	Total BTEX	
880-37809-11	AH-4 @ 0-1'	Total/NA	Solid	Total BTEX	
880-37809-12	AH-4 @ 2'	Total/NA	Solid	Total BTEX	
880-37809-13	AH-4 @ 3'R	Total/NA	Solid	Total BTEX	
880-37809-14	AH-5 @ 0-1'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

GC VOA (Continued)

Analysis Batch: 70953 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-15	AH-5 @ 2'	Total/NA	Solid	Total BTEX	
880-37809-16	AH-5 @ 3'	Total/NA	Solid	Total BTEX	
880-37809-17	AH-5 @ 4'	Total/NA	Solid	Total BTEX	
880-37809-18	N-1	Total/NA	Solid	Total BTEX	
880-37809-19	N-2	Total/NA	Solid	Total BTEX	
880-37809-20	S-1	Total/NA	Solid	Total BTEX	
880-37809-21	S-2	Total/NA	Solid	Total BTEX	
880-37809-22	W-1	Total/NA	Solid	Total BTEX	
880-37809-23	E-1	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 70622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-1	AH-1 @ 0-1'	Total/NA	Solid	8015B NM	70634
880-37809-2	AH-1 @ 2'	Total/NA	Solid	8015B NM	70634
880-37809-3	AH-1 @ 3'	Total/NA	Solid	8015B NM	70634
880-37809-4	AH-1 @ 3.5' R	Total/NA	Solid	8015B NM	70634
880-37809-5	AH-2 @ 0-1'	Total/NA	Solid	8015B NM	70634
880-37809-6	AH-2 @ 2'	Total/NA	Solid	8015B NM	70634
880-37809-7	AH-2 @ 2.5' R	Total/NA	Solid	8015B NM	70634
880-37809-8	AH-3 @ 0-1'	Total/NA	Solid	8015B NM	70634
880-37809-9	AH-3 @ 2'	Total/NA	Solid	8015B NM	70634
880-37809-10	AH-3 @ 2.5' R	Total/NA	Solid	8015B NM	70634
880-37809-11	AH-4 @ 0-1'	Total/NA	Solid	8015B NM	70634
880-37809-12	AH-4 @ 2'	Total/NA	Solid	8015B NM	70634
880-37809-13	AH-4 @ 3'R	Total/NA	Solid	8015B NM	70634
880-37809-14	AH-5 @ 0-1'	Total/NA	Solid	8015B NM	70634
880-37809-15	AH-5 @ 2'	Total/NA	Solid	8015B NM	70634
880-37809-16	AH-5 @ 3'	Total/NA	Solid	8015B NM	70634
880-37809-17	AH-5 @ 4'	Total/NA	Solid	8015B NM	70634
880-37809-18	N-1	Total/NA	Solid	8015B NM	70634
880-37809-19	N-2	Total/NA	Solid	8015B NM	70634
880-37809-20	S-1	Total/NA	Solid	8015B NM	70634
MB 880-70634/1-A	Method Blank	Total/NA	Solid	8015B NM	70634
LCS 880-70634/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	70634
LCSD 880-70634/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	70634
880-37809-1 MS	AH-1 @ 0-1'	Total/NA	Solid	8015B NM	70634
880-37809-1 MSD	AH-1 @ 0-1'	Total/NA	Solid	8015B NM	70634

Prep Batch: 70634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-1	AH-1 @ 0-1'	Total/NA	Solid	8015NM Prep	
880-37809-2	AH-1 @ 2'	Total/NA	Solid	8015NM Prep	
880-37809-3	AH-1 @ 3'	Total/NA	Solid	8015NM Prep	
880-37809-4	AH-1 @ 3.5' R	Total/NA	Solid	8015NM Prep	
880-37809-5	AH-2 @ 0-1'	Total/NA	Solid	8015NM Prep	
880-37809-6	AH-2 @ 2'	Total/NA	Solid	8015NM Prep	
880-37809-7	AH-2 @ 2.5' R	Total/NA	Solid	8015NM Prep	
880-37809-8	AH-3 @ 0-1'	Total/NA	Solid	8015NM Prep	
880-37809-9	AH-3 @ 2'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

GC Semi VOA (Continued)

Prep Batch: 70634 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-10	AH-3 @ 2.5' R	Total/NA	Solid	8015NM Prep	
880-37809-11	AH-4 @ 0-1'	Total/NA	Solid	8015NM Prep	
880-37809-12	AH-4 @ 2'	Total/NA	Solid	8015NM Prep	
880-37809-13	AH-4 @ 3'R	Total/NA	Solid	8015NM Prep	
880-37809-14	AH-5 @ 0-1'	Total/NA	Solid	8015NM Prep	
880-37809-15	AH-5 @ 2'	Total/NA	Solid	8015NM Prep	
880-37809-16	AH-5 @ 3'	Total/NA	Solid	8015NM Prep	
880-37809-17	AH-5 @ 4'	Total/NA	Solid	8015NM Prep	
880-37809-18	N-1	Total/NA	Solid	8015NM Prep	
880-37809-19	N-2	Total/NA	Solid	8015NM Prep	
880-37809-20	S-1	Total/NA	Solid	8015NM Prep	
MB 880-70634/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-70634/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-70634/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-37809-1 MS	AH-1 @ 0-1'	Total/NA	Solid	8015NM Prep	
880-37809-1 MSD	AH-1 @ 0-1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 70702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-1	AH-1 @ 0-1'	Total/NA	Solid	8015 NM	
880-37809-2	AH-1 @ 2'	Total/NA	Solid	8015 NM	
880-37809-3	AH-1 @ 3'	Total/NA	Solid	8015 NM	
880-37809-4	AH-1 @ 3.5' R	Total/NA	Solid	8015 NM	
880-37809-5	AH-2 @ 0-1'	Total/NA	Solid	8015 NM	
880-37809-6	AH-2 @ 2'	Total/NA	Solid	8015 NM	
880-37809-7	AH-2 @ 2.5' R	Total/NA	Solid	8015 NM	
880-37809-8	AH-3 @ 0-1'	Total/NA	Solid	8015 NM	
880-37809-9	AH-3 @ 2'	Total/NA	Solid	8015 NM	
880-37809-10	AH-3 @ 2.5' R	Total/NA	Solid	8015 NM	
880-37809-11	AH-4 @ 0-1'	Total/NA	Solid	8015 NM	
880-37809-12	AH-4 @ 2'	Total/NA	Solid	8015 NM	
880-37809-13	AH-4 @ 3'R	Total/NA	Solid	8015 NM	
880-37809-14	AH-5 @ 0-1'	Total/NA	Solid	8015 NM	
880-37809-15	AH-5 @ 2'	Total/NA	Solid	8015 NM	
880-37809-16	AH-5 @ 3'	Total/NA	Solid	8015 NM	
880-37809-17	AH-5 @ 4'	Total/NA	Solid	8015 NM	
880-37809-18	N-1	Total/NA	Solid	8015 NM	
880-37809-19	N-2	Total/NA	Solid	8015 NM	
880-37809-20	S-1	Total/NA	Solid	8015 NM	
880-37809-21	S-2	Total/NA	Solid	8015 NM	
880-37809-22	W-1	Total/NA	Solid	8015 NM	
880-37809-23	E-1	Total/NA	Solid	8015 NM	

Prep Batch: 70792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-21	S-2	Total/NA	Solid	8015NM Prep	
880-37809-22	W-1	Total/NA	Solid	8015NM Prep	
880-37809-23	E-1	Total/NA	Solid	8015NM Prep	
MB 880-70792/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-70792/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-70792/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

GC Semi VOA (Continued)

Prep Batch: 70792 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-21 MS	S-2	Total/NA	Solid	8015NM Prep	
880-37809-21 MSD	S-2	Total/NA	Solid	8015NM Prep	

Analysis Batch: 70811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-21	S-2	Total/NA	Solid	8015B NM	70792
880-37809-22	W-1	Total/NA	Solid	8015B NM	70792
880-37809-23	E-1	Total/NA	Solid	8015B NM	70792
MB 880-70792/1-A	Method Blank	Total/NA	Solid	8015B NM	70792
LCS 880-70792/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	70792
LCSD 880-70792/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	70792
880-37809-21 MS	S-2	Total/NA	Solid	8015B NM	70792
880-37809-21 MSD	S-2	Total/NA	Solid	8015B NM	70792

HPLC/IC

Leach Batch: 70631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-1	AH-1 @ 0-1'	Soluble	Solid	DI Leach	
880-37809-2	AH-1 @ 2'	Soluble	Solid	DI Leach	
880-37809-3	AH-1 @ 3'	Soluble	Solid	DI Leach	
880-37809-4	AH-1 @ 3.5' R	Soluble	Solid	DI Leach	
880-37809-5	AH-2 @ 0-1'	Soluble	Solid	DI Leach	
880-37809-6	AH-2 @ 2'	Soluble	Solid	DI Leach	
880-37809-7	AH-2 @ 2.5' R	Soluble	Solid	DI Leach	
880-37809-8	AH-3 @ 0-1'	Soluble	Solid	DI Leach	
880-37809-9	AH-3 @ 2'	Soluble	Solid	DI Leach	
880-37809-10	AH-3 @ 2.5' R	Soluble	Solid	DI Leach	
880-37809-11	AH-4 @ 0-1'	Soluble	Solid	DI Leach	
880-37809-12	AH-4 @ 2'	Soluble	Solid	DI Leach	
880-37809-13	AH-4 @ 3'R	Soluble	Solid	DI Leach	
880-37809-14	AH-5 @ 0-1'	Soluble	Solid	DI Leach	
880-37809-15	AH-5 @ 2'	Soluble	Solid	DI Leach	
880-37809-16	AH-5 @ 3'	Soluble	Solid	DI Leach	
880-37809-17	AH-5 @ 4'	Soluble	Solid	DI Leach	
880-37809-18	N-1	Soluble	Solid	DI Leach	
880-37809-19	N-2	Soluble	Solid	DI Leach	
880-37809-20	S-1	Soluble	Solid	DI Leach	
MB 880-70631/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-70631/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-70631/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-37809-1 MS	AH-1 @ 0-1'	Soluble	Solid	DI Leach	
880-37809-1 MSD	AH-1 @ 0-1'	Soluble	Solid	DI Leach	
880-37809-11 MS	AH-4 @ 0-1'	Soluble	Solid	DI Leach	
880-37809-11 MSD	AH-4 @ 0-1'	Soluble	Solid	DI Leach	

Leach Batch: 70637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-21	S-2	Soluble	Solid	DI Leach	
880-37809-22	W-1	Soluble	Solid	DI Leach	
880-37809-23	E-1	Soluble	Solid	DI Leach	

QC Association Summary

Client: TRC Solutions, Inc. Job ID: 880-37809-1
Project/Site: COP-Azores Federal COM SDG: Lea Co. New Mexico

HPLC/IC (Continued)

Leach Batch: 70637 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-70637/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-70637/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-70637/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-37809-21 MS	S-2	Soluble	Solid	DI Leach	
880-37809-21 MSD	S-2	Soluble	Solid	DI Leach	

Analysis Batch: 70699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-1	AH-1 @ 0-1'	Soluble	Solid	300.0	70631
880-37809-2	AH-1 @ 2'	Soluble	Solid	300.0	70631
880-37809-3	AH-1 @ 3'	Soluble	Solid	300.0	70631
880-37809-4	AH-1 @ 3.5' R	Soluble	Solid	300.0	70631
880-37809-5	AH-2 @ 0-1'	Soluble	Solid	300.0	70631
880-37809-6	AH-2 @ 2'	Soluble	Solid	300.0	70631
880-37809-7	AH-2 @ 2.5' R	Soluble	Solid	300.0	70631
880-37809-8	AH-3 @ 0-1'	Soluble	Solid	300.0	70631
880-37809-9	AH-3 @ 2'	Soluble	Solid	300.0	70631
880-37809-10	AH-3 @ 2.5' R	Soluble	Solid	300.0	70631
880-37809-11	AH-4 @ 0-1'	Soluble	Solid	300.0	70631
880-37809-12	AH-4 @ 2'	Soluble	Solid	300.0	70631
880-37809-13	AH-4 @ 3'R	Soluble	Solid	300.0	70631
880-37809-14	AH-5 @ 0-1'	Soluble	Solid	300.0	70631
880-37809-15	AH-5 @ 2'	Soluble	Solid	300.0	70631
880-37809-16	AH-5 @ 3'	Soluble	Solid	300.0	70631
880-37809-17	AH-5 @ 4'	Soluble	Solid	300.0	70631
880-37809-18	N-1	Soluble	Solid	300.0	70631
880-37809-19	N-2	Soluble	Solid	300.0	70631
880-37809-20	S-1	Soluble	Solid	300.0	70631
MB 880-70631/1-A	Method Blank	Soluble	Solid	300.0	70631
LCS 880-70631/2-A	Lab Control Sample	Soluble	Solid	300.0	70631
LCSD 880-70631/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	70631
880-37809-1 MS	AH-1 @ 0-1'	Soluble	Solid	300.0	70631
880-37809-1 MSD	AH-1 @ 0-1'	Soluble	Solid	300.0	70631
880-37809-11 MS	AH-4 @ 0-1'	Soluble	Solid	300.0	70631
880-37809-11 MSD	AH-4 @ 0-1'	Soluble	Solid	300.0	70631

Analysis Batch: 70700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-37809-21	S-2	Soluble	Solid	300.0	70637
880-37809-22	W-1	Soluble	Solid	300.0	70637
880-37809-23	E-1	Soluble	Solid	300.0	70637
MB 880-70637/1-A	Method Blank	Soluble	Solid	300.0	70637
LCS 880-70637/2-A	Lab Control Sample	Soluble	Solid	300.0	70637
LCSD 880-70637/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	70637
880-37809-21 MS	S-2	Soluble	Solid	300.0	70637
880-37809-21 MSD	S-2	Soluble	Solid	300.0	70637

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-1 @ 0-1'

Date Collected: 01/09/24 11:10
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-1
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	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 09:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 09:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 10:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 10:45	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		1			70699	01/12/24 13:18	CH	EET MID

Client Sample ID: AH-1 @ 2'

Date Collected: 01/09/24 11:12
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 10:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 10:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 11:57	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 11:57	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		1			70699	01/12/24 13:39	CH	EET MID

Client Sample ID: AH-1 @ 3'

Date Collected: 01/09/24 11:14
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 10:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 10:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 12:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 12:19	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		1			70699	01/12/24 13:46	CH	EET MID

Client Sample ID: AH-1 @ 3.5' R

Date Collected: 01/09/24 11:16
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-4
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			5.03 g	5 mL	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 10:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 10:54	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-1 @ 3.5' R

Date Collected: 01/09/24 11:16
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			70702	01/11/24 12:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 12:42	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		1			70699	01/12/24 13:53	CH	EET MID

Client Sample ID: AH-2 @ 0-1'

Date Collected: 01/09/24 11:20
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 11:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 11:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 13:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 13:04	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		5			70699	01/12/24 14:00	CH	EET MID

Client Sample ID: AH-2 @ 2'

Date Collected: 01/09/24 11:22
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 11:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 11:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 13:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 13:27	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		1			70699	01/12/24 14:23	CH	EET MID

Client Sample ID: AH-2 @ 2.5' R

Date Collected: 01/09/24 11:24
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 11:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 11:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 13:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 13:49	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-2 @ 2.5' R

Lab Sample ID: 880-37809-7
Matrix: Solid
Date Collected: 01/09/24 11:24
Date Received: 01/10/24 16:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		1			70699	01/12/24 14:30	CH	EET MID

Client Sample ID: AH-3 @ 0-1'

Lab Sample ID: 880-37809-8
Matrix: Solid
Date Collected: 01/09/24 12:00
Date Received: 01/10/24 16:51

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	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 12:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 12:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 14:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 14:11	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		5			70699	01/12/24 14:37	CH	EET MID

Client Sample ID: AH-3 @ 2'

Lab Sample ID: 880-37809-9
Matrix: Solid
Date Collected: 01/09/24 12:05
Date Received: 01/10/24 16:51

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	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 12:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 12:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 14:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 14:33	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		10			70699	01/12/24 14:44	CH	EET MID

Client Sample ID: AH-3 @ 2.5' R

Lab Sample ID: 880-37809-10
Matrix: Solid
Date Collected: 01/09/24 12:10
Date Received: 01/10/24 16:51

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	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 12:57	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 12:57	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 14:54	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		5			70699	01/12/24 14:51	CH	EET MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-4 @ 0-1'

Date Collected: 01/09/24 12:30
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 14:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 14:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 15:38	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 15:38	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		10			70699	01/12/24 14:58	CH	EET MID

Client Sample ID: AH-4 @ 2'

Date Collected: 01/09/24 12:32
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 14:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 14:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 16:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 16:24	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		1			70699	01/12/24 15:19	CH	EET MID

Client Sample ID: AH-4 @ 3'R

Date Collected: 01/09/24 12:34
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 15:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 15:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 16:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 16:46	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		5			70699	01/12/24 15:26	CH	EET MID

Client Sample ID: AH-5 @ 0-1'

Date Collected: 01/09/24 13:20
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-14
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			4.96 g	5 mL	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 15:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 15:22	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-5 @ 0-1'

Date Collected: 01/09/24 13:20
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			70702	01/11/24 17:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 17:08	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		5			70699	01/12/24 15:47	CH	EET MID

Client Sample ID: AH-5 @ 2'

Date Collected: 01/09/24 13:22
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-15
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	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 15:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 15:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 17:30	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 17:30	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		10			70699	01/12/24 15:54	CH	EET MID

Client Sample ID: AH-5 @ 3'

Date Collected: 01/09/24 13:24
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-16
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	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 16:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 16:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 17:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 17:52	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		10			70699	01/12/24 16:01	CH	EET MID

Client Sample ID: AH-5 @ 4'

Date Collected: 01/09/24 13:26
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 16:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 16:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 18:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 18:14	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: AH-5 @ 4'

Date Collected: 01/09/24 13:26
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		10			70699	01/12/24 16:07	CH	EET MID

Client Sample ID: N-1

Date Collected: 01/09/24 14:20
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 16:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 18:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 18:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		1			70699	01/12/24 16:14	CH	EET MID

Client Sample ID: N-2

Date Collected: 01/09/24 14:32
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-19
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	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 17:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 17:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 18:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 18:58	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		1			70699	01/12/24 16:21	CH	EET MID

Client Sample ID: S-1

Date Collected: 01/09/24 14:15
Date Received: 01/10/24 16:51

Lab Sample ID: 880-37809-20
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	70782	01/12/24 15:06	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70718	01/14/24 17:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/14/24 17:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/11/24 19:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	70634	01/11/24 09:37	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70622	01/11/24 19:21	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	70631	01/11/24 09:31	SA	EET MID
Soluble	Analysis	300.0		1			70699	01/12/24 16:28	CH	EET MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Client Sample ID: S-2

Lab Sample ID: 880-37809-21
Matrix: Solid
Date Collected: 01/09/24 14:25
Date Received: 01/10/24 16:51

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	70858	01/15/24 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70828	01/15/24 23:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/15/24 23:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/14/24 12:04	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	70792	01/12/24 17:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70811	01/14/24 12:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	70637	01/11/24 11:19	SA	EET MID
Soluble	Analysis	300.0		1			70700	01/12/24 15:37	CH	EET MID

Client Sample ID: W-1

Lab Sample ID: 880-37809-22
Matrix: Solid
Date Collected: 01/09/24 14:27
Date Received: 01/10/24 16:51

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	70858	01/15/24 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70828	01/15/24 23:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/15/24 23:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/14/24 13:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	70792	01/12/24 17:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70811	01/14/24 13:08	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	70637	01/11/24 11:19	SA	EET MID
Soluble	Analysis	300.0		1			70700	01/12/24 15:53	CH	EET MID

Client Sample ID: E-1

Lab Sample ID: 880-37809-23
Matrix: Solid
Date Collected: 01/09/24 14:30
Date Received: 01/10/24 16:51

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	70858	01/15/24 12:53	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	70828	01/15/24 23:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			70953	01/15/24 23:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			70702	01/14/24 13:30	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	70792	01/12/24 17:11	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	70811	01/14/24 13:30	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	70637	01/11/24 11:19	SA	EET MID
Soluble	Analysis	300.0		1			70700	01/12/24 15:58	CH	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

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

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: COP-Azores Federal COM

Job ID: 880-37809-1
SDG: Lea Co. New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-37809-1	AH-1 @ 0-1'	Solid	01/09/24 11:10	01/10/24 16:51
880-37809-2	AH-1 @ 2'	Solid	01/09/24 11:12	01/10/24 16:51
880-37809-3	AH-1 @ 3'	Solid	01/09/24 11:14	01/10/24 16:51
880-37809-4	AH-1 @ 3.5' R	Solid	01/09/24 11:16	01/10/24 16:51
880-37809-5	AH-2 @ 0-1'	Solid	01/09/24 11:20	01/10/24 16:51
880-37809-6	AH-2 @ 2'	Solid	01/09/24 11:22	01/10/24 16:51
880-37809-7	AH-2 @ 2.5' R	Solid	01/09/24 11:24	01/10/24 16:51
880-37809-8	AH-3 @ 0-1'	Solid	01/09/24 12:00	01/10/24 16:51
880-37809-9	AH-3 @ 2'	Solid	01/09/24 12:05	01/10/24 16:51
880-37809-10	AH-3 @ 2.5' R	Solid	01/09/24 12:10	01/10/24 16:51
880-37809-11	AH-4 @ 0-1'	Solid	01/09/24 12:30	01/10/24 16:51
880-37809-12	AH-4 @ 2'	Solid	01/09/24 12:32	01/10/24 16:51
880-37809-13	AH-4 @ 3'R	Solid	01/09/24 12:34	01/10/24 16:51
880-37809-14	AH-5 @ 0-1'	Solid	01/09/24 13:20	01/10/24 16:51
880-37809-15	AH-5 @ 2'	Solid	01/09/24 13:22	01/10/24 16:51
880-37809-16	AH-5 @ 3'	Solid	01/09/24 13:24	01/10/24 16:51
880-37809-17	AH-5 @ 4'	Solid	01/09/24 13:26	01/10/24 16:51
880-37809-18	N-1	Solid	01/09/24 14:20	01/10/24 16:51
880-37809-19	N-2	Solid	01/09/24 14:32	01/10/24 16:51
880-37809-20	S-1	Solid	01/09/24 14:15	01/10/24 16:51
880-37809-21	S-2	Solid	01/09/24 14:25	01/10/24 16:51
880-37809-22	W-1	Solid	01/09/24 14:27	01/10/24 16:51
880-37809-23	E-1	Solid	01/09/24 14:30	01/10/24 16:51

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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

880-37809 Chain of Custody

Project Manager:	Jared Stoffel	Bill to: (if different)	
Company Name:	TRC	Company Name:	
Address:	10 Desta Dr , STE 130E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432 238 3003	Email:	jstoffel@trccompanies.com

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

Project Name:	COP-Azores Federal COM	Turn Around	
Project Number:	584312	☑ Routine ☐ Rush	
Project Location:	Lea Co New Mexico	Due Date	5 Day TAT
Sampler's Name:	Hannah Gloden & Jared Stoffel	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:	IR9
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	+.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.3
Total Containers:		Corrected Temperature:	5.5

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH 8015 M	Chlorides E300	BTEX 8021B
AH-1 @ 0-1'	S	01/09/24	11 10	--	Grab	1		X	X	X
AH-1 @ 2'	S	01/09/24	11 12	--	Grab	1		X	X	X
AH-1 @ 3'	S	01/09/24	11 14	--	Grab	1		X	X	X
AH-1 @ 3 5' R	S	01/09/24	11 16	--	Grab	1		X	X	X
AH-2 @ 0-1'	S	01/09/24	11 20	--	Grab	1		X	X	X
AH-2 @ 2'	S	01/09/24	11 22	--	Grab	1		X	X	X
AH-2 @ 2 5' R	S	01/09/24	11 24	--	Grab	1		X	X	X
AH-3 @ 0-1'	S	01/09/24	12 00	--	Grab	1		X	X	X
AH-3 @ 2'	S	01/09/24	12 05	--	Grab	1		X	X	X
AH-3 @ 2 5' R	S	01/09/24	12 10	--	Grab	1		X	X	X

Preservative Codes

None NO | DI Water H_2O
Cool Cool | MeOH Me
HCL HC | HNO_3 HN
H_2S0_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		1-10-24	2		1/10/24 1051
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: 37809

www.xenco.com Page 2 of 3

Project Manager:	Jared Stoffel	Bill to: (if different)	
Company Name:	TRC	Company Name:	
Address:	10 Desta Dr., STE 130E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432.238.3003	Email:	jstoffel@trccompanies com

Work Order Comments

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

Project Name:	COP-Azores Federal COM	Turn Around	
Project Number:	584312	☑ Routine ☐ Rush	
Project Location:	Lea Co. New Mexico	Due Date:	5 Day TAT
Sampler's Name:	Hannah Gloden & Jared Stoffel	TAT starts the day received by the lab, if received by 4 30pm	
PO #:			

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

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2S0_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	TPH 8015 M	Chlorides E300	BTEX 8021B	Sample Comments
AH-4 @ 0-1'	S	01/09/24	12 30	--	Grab	1		X	X	X	
AH-4 @ 2'	S	01/09/24	12 32	--	Grab	1		X	X	X	
AH-4 @ 3' R	S	01/09/24	12 34	--	Grab	1		X	X	X	
AH-5 @ 0-1'	S	01/09/24	13 20	--	Grab	1		X	X	X	
AH-5 @ 2'	S	01/09/24	13.22	--	Grab	1		X	X	X	
AH-5 @ 3'	S	01/09/24	13.24	--	Grab	1		X	X	X	
AH-5 @ 4	S	01/09/24	13 26	--	Grab	1		X	X	X	
N-1	S	01/09/24	14 20	--	Grab	1		X	X	X	
N-2	S	01/09/24	14 32	--	Grab	1		X	X	X	
S-1	S	01/09/24	14 15	--	Grab	1		X	X	X	

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
James Gloden	Matthew Dow	1-10-24	2 Matthew Dow		1/10/24 1:30

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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

Loc. 880
Work Order No: 37809

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Project Manager:	Jared Stoffel	Bill to: (if different)	
Company Name:	TRC	Company Name:	
Address:	10 Desta Dr., STE 130E	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	432.238.3003	Email:	jstoffel@trccompanies.com

Work Order Comments

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

Project Name:	COP-Azores Federal COM	Turn Around	
Project Number:	584312	☑ Routine ☐ Rush	
Project Location:	Lea Co. New Mexico	Due Date:	5 Day TAT
Sampler's Name:	Hannah Gloden & Jared Stoffel	TAT starts the day received by the lab, if received by 4 30pm	
PO #:			

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

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2S0_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	TPH 8015 M	Chlorides E300	BTEX 8021B	Sample Comments
S-2	S	01/09/24	14 25	--	Grab	1		X	X	X	
W-1	S	01/09/24	14.27	--	Grab	1		X	X	X	
E-1	S	01/09/24	14 30	--	Grab	1		X	X	X	

ANALYSIS REQUEST — Parameters

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		1-10-24	2		1/10/24 1057

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-37809-1
SDG Number: Lea Co. New Mexico

Login Number: 37809
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

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ANALYTICAL REPORT

PREPARED FOR

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

Generated 5/9/2024 12:28:19 PM

JOB DESCRIPTION

Azores Fed Com

JOB NUMBER

880-43085-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

See page two for job notes and contact information.

Eurofins Midland

Job Notes

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

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

Authorization

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5/9/2024 12:28:19 PM

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

Client: TRC Solutions, Inc.
Project/Site: Azores Fed Com

Laboratory Job ID: 880-43085-1

Table of Contents

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Definitions/Glossary

Client: TRC Solutions, Inc. Job ID: 880-43085-1
Project/Site: Azores Fed Com

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: Azores Fed Com

Job ID: 880-43085-1

Job ID: 880-43085-1 Eurofins Midland

Job Narrative
880-43085-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

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

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

Receipt
The samples were received on 5/6/2024 12:37 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 19.2°C.

HPLC/IC
Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80176 and 880-80176 and analytical batch 880-80189 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

TT-3 @ 0-1' (880-43085-1), TT-3 @ 2' (880-43085-2), TT-3 @ 3' (880-43085-3), TT-3 @ 4' (880-43085-4), TT-3 @ 5' (880-43085-5), TT-3 @ 6' (880-43085-6), TT-4 @ 0-1' (880-43085-7), TT-4 @ 2' (880-43085-8), TT-4 @ 3' (880-43085-9), TT-4 @ 4' (880-43085-10), (880-43085-A-1-B MS) and (880-43085-A-1-C MSD)

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80176 and analytical batch 880-80189 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

TT-4 @ 5' (880-43085-11), TT-4 @ 6' (880-43085-12), TT-4 @ 7' (880-43085-13), TT-4 @ 8'R (880-43085-14), (880-43085-A-11-B MS) and (880-43085-A-11-C MSD)

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: Azores Fed Com

Job ID: 880-43085-1

Client Sample ID: TT-3 @ 0-1'

Lab Sample ID: 880-43085-1
Matrix: Solid
Date Collected: 05/03/24 09:14
Date Received: 05/06/24 12:37
Sample Depth: 0-1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	191	F1	4.97		mg/Kg			05/08/24 18:14	1

Client Sample ID: TT-3 @ 2'

Lab Sample ID: 880-43085-2
Matrix: Solid
Date Collected: 05/03/24 09:17
Date Received: 05/06/24 12:37
Sample Depth: 2'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2450		25.0		mg/Kg			05/08/24 18:30	5

Client Sample ID: TT-3 @ 3'

Lab Sample ID: 880-43085-3
Matrix: Solid
Date Collected: 05/03/24 09:20
Date Received: 05/06/24 12:37
Sample Depth: 3'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10400		99.2		mg/Kg			05/08/24 18:36	20

Client Sample ID: TT-3 @ 4'

Lab Sample ID: 880-43085-4
Matrix: Solid
Date Collected: 05/03/24 09:23
Date Received: 05/06/24 12:37
Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5610		49.8		mg/Kg			05/08/24 18:41	10

Client Sample ID: TT-3 @ 5'

Lab Sample ID: 880-43085-5
Matrix: Solid
Date Collected: 05/03/24 09:26
Date Received: 05/06/24 12:37
Sample Depth: 5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	293		5.00		mg/Kg			05/08/24 18:46	1

Client Sample ID: TT-3 @ 6'

Lab Sample ID: 880-43085-6
Matrix: Solid
Date Collected: 05/03/24 09:29
Date Received: 05/06/24 12:37
Sample Depth: 6'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	181		4.98		mg/Kg			05/08/24 19:03	1

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Azores Fed Com

Job ID: 880-43085-1

Client Sample ID: TT-4 @ 0-1'

Lab Sample ID: 880-43085-7
Matrix: Solid
Date Collected: 05/03/24 09:50
Date Received: 05/06/24 12:37
Sample Depth: 0-1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	867		4.99		mg/Kg			05/08/24 19:08	1

Client Sample ID: TT-4 @ 2'

Lab Sample ID: 880-43085-8
Matrix: Solid
Date Collected: 05/03/24 09:53
Date Received: 05/06/24 12:37
Sample Depth: 2'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3460		25.2		mg/Kg			05/08/24 19:14	5

Client Sample ID: TT-4 @ 3'

Lab Sample ID: 880-43085-9
Matrix: Solid
Date Collected: 05/03/24 09:56
Date Received: 05/06/24 12:37
Sample Depth: 3'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7990		50.2		mg/Kg			05/08/24 19:19	10

Client Sample ID: TT-4 @ 4'

Lab Sample ID: 880-43085-10
Matrix: Solid
Date Collected: 05/03/24 09:59
Date Received: 05/06/24 12:37
Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6070		49.7		mg/Kg			05/08/24 19:24	10

Client Sample ID: TT-4 @ 5'

Lab Sample ID: 880-43085-11
Matrix: Solid
Date Collected: 05/03/24 10:02
Date Received: 05/06/24 12:37
Sample Depth: 5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5410	F1	49.6		mg/Kg			05/08/24 19:30	10

Client Sample ID: TT-4 @ 6'

Lab Sample ID: 880-43085-12
Matrix: Solid
Date Collected: 05/03/24 10:05
Date Received: 05/06/24 12:37
Sample Depth: 6'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4480		24.9		mg/Kg			05/08/24 19:46	5

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: Azores Fed Com

Job ID: 880-43085-1

Client Sample ID: TT-4 @ 7'

Lab Sample ID: 880-43085-13
Matrix: Solid
Date Collected: 05/03/24 10:20
Date Received: 05/06/24 12:37
Sample Depth: 7'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1920		25.1		mg/Kg			05/08/24 19:51	5

Client Sample ID: TT-4 @ 8'R

Lab Sample ID: 880-43085-14
Matrix: Solid
Date Collected: 05/03/24 10:23
Date Received: 05/06/24 12:37
Sample Depth: 8'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1040		5.03		mg/Kg			05/08/24 20:08	1

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: Azores Fed Com

Job ID: 880-43085-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-80176/1-A
Matrix: Solid
Analysis Batch: 80189

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/08/24 17:58	1

Lab Sample ID: LCS 880-80176/2-A
Matrix: Solid
Analysis Batch: 80189

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	262.7		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-80176/3-A
Matrix: Solid
Analysis Batch: 80189

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	263.2		mg/Kg		105	90 - 110	0	20

Lab Sample ID: 880-43085-1 MS
Matrix: Solid
Analysis Batch: 80189

Client Sample ID: TT-3 @ 0-1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	191	F1	249	476.3	F1	mg/Kg		115	90 - 110		

Lab Sample ID: 880-43085-1 MSD
Matrix: Solid
Analysis Batch: 80189

Client Sample ID: TT-3 @ 0-1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	191	F1	249	476.4	F1	mg/Kg		115	90 - 110	0	20

Lab Sample ID: 880-43085-11 MS
Matrix: Solid
Analysis Batch: 80189

Client Sample ID: TT-4 @ 5'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	5410	F1	2480	8327	F1	mg/Kg		117	90 - 110		

Lab Sample ID: 880-43085-11 MSD
Matrix: Solid
Analysis Batch: 80189

Client Sample ID: TT-4 @ 5'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	5410	F1	2480	8310	F1	mg/Kg		117	90 - 110	0	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: Azores Fed Com

Job ID: 880-43085-1

HPLC/IC

Leach Batch: 80176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43085-1	TT-3 @ 0-1'	Soluble	Solid	DI Leach	
880-43085-2	TT-3 @ 2'	Soluble	Solid	DI Leach	
880-43085-3	TT-3 @ 3'	Soluble	Solid	DI Leach	
880-43085-4	TT-3 @ 4'	Soluble	Solid	DI Leach	
880-43085-5	TT-3 @ 5'	Soluble	Solid	DI Leach	
880-43085-6	TT-3 @ 6'	Soluble	Solid	DI Leach	
880-43085-7	TT-4 @ 0-1'	Soluble	Solid	DI Leach	
880-43085-8	TT-4 @ 2'	Soluble	Solid	DI Leach	
880-43085-9	TT-4 @ 3'	Soluble	Solid	DI Leach	
880-43085-10	TT-4 @ 4'	Soluble	Solid	DI Leach	
880-43085-11	TT-4 @ 5'	Soluble	Solid	DI Leach	
880-43085-12	TT-4 @ 6'	Soluble	Solid	DI Leach	
880-43085-13	TT-4 @ 7'	Soluble	Solid	DI Leach	
880-43085-14	TT-4 @ 8'R	Soluble	Solid	DI Leach	
MB 880-80176/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80176/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80176/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43085-1 MS	TT-3 @ 0-1'	Soluble	Solid	DI Leach	
880-43085-1 MSD	TT-3 @ 0-1'	Soluble	Solid	DI Leach	
880-43085-11 MS	TT-4 @ 5'	Soluble	Solid	DI Leach	
880-43085-11 MSD	TT-4 @ 5'	Soluble	Solid	DI Leach	

Analysis Batch: 80189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-43085-1	TT-3 @ 0-1'	Soluble	Solid	300.0	80176
880-43085-2	TT-3 @ 2'	Soluble	Solid	300.0	80176
880-43085-3	TT-3 @ 3'	Soluble	Solid	300.0	80176
880-43085-4	TT-3 @ 4'	Soluble	Solid	300.0	80176
880-43085-5	TT-3 @ 5'	Soluble	Solid	300.0	80176
880-43085-6	TT-3 @ 6'	Soluble	Solid	300.0	80176
880-43085-7	TT-4 @ 0-1'	Soluble	Solid	300.0	80176
880-43085-8	TT-4 @ 2'	Soluble	Solid	300.0	80176
880-43085-9	TT-4 @ 3'	Soluble	Solid	300.0	80176
880-43085-10	TT-4 @ 4'	Soluble	Solid	300.0	80176
880-43085-11	TT-4 @ 5'	Soluble	Solid	300.0	80176
880-43085-12	TT-4 @ 6'	Soluble	Solid	300.0	80176
880-43085-13	TT-4 @ 7'	Soluble	Solid	300.0	80176
880-43085-14	TT-4 @ 8'R	Soluble	Solid	300.0	80176
MB 880-80176/1-A	Method Blank	Soluble	Solid	300.0	80176
LCS 880-80176/2-A	Lab Control Sample	Soluble	Solid	300.0	80176
LCSD 880-80176/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80176
880-43085-1 MS	TT-3 @ 0-1'	Soluble	Solid	300.0	80176
880-43085-1 MSD	TT-3 @ 0-1'	Soluble	Solid	300.0	80176
880-43085-11 MS	TT-4 @ 5'	Soluble	Solid	300.0	80176
880-43085-11 MSD	TT-4 @ 5'	Soluble	Solid	300.0	80176

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Azores Fed Com

Job ID: 880-43085-1

Client Sample ID: TT-3 @ 0-1'

Lab Sample ID: 880-43085-1
Matrix: Solid
Date Collected: 05/03/24 09:14
Date Received: 05/06/24 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	80176	05/07/24 14:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80189	05/08/24 18:14	SMC	EET MID

Client Sample ID: TT-3 @ 2'

Lab Sample ID: 880-43085-2
Matrix: Solid
Date Collected: 05/03/24 09:17
Date Received: 05/06/24 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	80176	05/07/24 14:05	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80189	05/08/24 18:30	SMC	EET MID

Client Sample ID: TT-3 @ 3'

Lab Sample ID: 880-43085-3
Matrix: Solid
Date Collected: 05/03/24 09:20
Date Received: 05/06/24 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	80176	05/07/24 14:05	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	80189	05/08/24 18:36	SMC	EET MID

Client Sample ID: TT-3 @ 4'

Lab Sample ID: 880-43085-4
Matrix: Solid
Date Collected: 05/03/24 09:23
Date Received: 05/06/24 12:37

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	80176	05/07/24 14:05	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80189	05/08/24 18:41	SMC	EET MID

Client Sample ID: TT-3 @ 5'

Lab Sample ID: 880-43085-5
Matrix: Solid
Date Collected: 05/03/24 09:26
Date Received: 05/06/24 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.00 g	50 mL	80176	05/07/24 14:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80189	05/08/24 18:46	SMC	EET MID

Client Sample ID: TT-3 @ 6'

Lab Sample ID: 880-43085-6
Matrix: Solid
Date Collected: 05/03/24 09:29
Date Received: 05/06/24 12:37

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	80176	05/07/24 14:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80189	05/08/24 19:03	SMC	EET MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Azores Fed Com

Job ID: 880-43085-1

Client Sample ID: TT-4 @ 0-1'

Lab Sample ID: 880-43085-7
Matrix: Solid
Date Collected: 05/03/24 09:50
Date Received: 05/06/24 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	80176	05/07/24 14:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80189	05/08/24 19:08	SMC	EET MID

Client Sample ID: TT-4 @ 2'

Lab Sample ID: 880-43085-8
Matrix: Solid
Date Collected: 05/03/24 09:53
Date Received: 05/06/24 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	80176	05/07/24 14:05	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80189	05/08/24 19:14	SMC	EET MID

Client Sample ID: TT-4 @ 3'

Lab Sample ID: 880-43085-9
Matrix: Solid
Date Collected: 05/03/24 09:56
Date Received: 05/06/24 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	80176	05/07/24 14:05	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80189	05/08/24 19:19	SMC	EET MID

Client Sample ID: TT-4 @ 4'

Lab Sample ID: 880-43085-10
Matrix: Solid
Date Collected: 05/03/24 09:59
Date Received: 05/06/24 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	80176	05/07/24 14:05	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80189	05/08/24 19:24	SMC	EET MID

Client Sample ID: TT-4 @ 5'

Lab Sample ID: 880-43085-11
Matrix: Solid
Date Collected: 05/03/24 10:02
Date Received: 05/06/24 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	80176	05/07/24 14:05	SA	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	80189	05/08/24 19:30	SMC	EET MID

Client Sample ID: TT-4 @ 6'

Lab Sample ID: 880-43085-12
Matrix: Solid
Date Collected: 05/03/24 10:05
Date Received: 05/06/24 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	80176	05/07/24 14:05	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80189	05/08/24 19:46	SMC	EET MID

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: Azores Fed Com

Job ID: 880-43085-1

Client Sample ID: TT-4 @ 7'

Lab Sample ID: 880-43085-13
Matrix: Solid
Date Collected: 05/03/24 10:20
Date Received: 05/06/24 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	80176	05/07/24 14:05	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	80189	05/08/24 19:51	SMC	EET MID

Client Sample ID: TT-4 @ 8'R

Lab Sample ID: 880-43085-14
Matrix: Solid
Date Collected: 05/03/24 10:23
Date Received: 05/06/24 12:37

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	80176	05/07/24 14:05	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	80189	05/08/24 20:08	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Job ID: 880-43085-1
Project/Site: Azores Fed Com

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

Method Summary

Client: TRC Solutions, Inc.
Project/Site: Azores Fed Com

Job ID: 880-43085-1

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	EPA	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

Laboratory References:

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

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: Azores Fed Com

Job ID: 880-43085-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-43085-1	TT-3 @ 0-1'	Solid	05/03/24 09:14	05/06/24 12:37	0-1'
880-43085-2	TT-3 @ 2'	Solid	05/03/24 09:17	05/06/24 12:37	2'
880-43085-3	TT-3 @ 3'	Solid	05/03/24 09:20	05/06/24 12:37	3'
880-43085-4	TT-3 @ 4'	Solid	05/03/24 09:23	05/06/24 12:37	4'
880-43085-5	TT-3 @ 5'	Solid	05/03/24 09:26	05/06/24 12:37	5'
880-43085-6	TT-3 @ 6'	Solid	05/03/24 09:29	05/06/24 12:37	6'
880-43085-7	TT-4 @ 0-1'	Solid	05/03/24 09:50	05/06/24 12:37	0-1'
880-43085-8	TT-4 @ 2'	Solid	05/03/24 09:53	05/06/24 12:37	2'
880-43085-9	TT-4 @ 3'	Solid	05/03/24 09:56	05/06/24 12:37	3'
880-43085-10	TT-4 @ 4'	Solid	05/03/24 09:59	05/06/24 12:37	4'
880-43085-11	TT-4 @ 5'	Solid	05/03/24 10:02	05/06/24 12:37	5'
880-43085-12	TT-4 @ 6'	Solid	05/03/24 10:05	05/06/24 12:37	6'
880-43085-13	TT-4 @ 7'	Solid	05/03/24 10:20	05/06/24 12:37	7'
880-43085-14	TT-4 @ 8'R	Solid	05/03/24 10:23	05/06/24 12:37	8'

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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

880-43085 Chain of Custody

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Project Manager	Jared Stoffel	Bill to (if different)	
Company Name	TRC Companies	Company Name	
Address	10 Desta Dr	Address	
City, State ZIP	Midland, TX	City, State ZIP	
Phone	432-238-3003	Email	jstoffel@trccompanies.com

Work Order Comments

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

Project Name	Azores Fed Com	Turn Around	☑ Routine ☐ Rush
Project Number	584312	Due Date	
Project Location		TAT starts the day received by the lab if received by 4 30pm	
Sampler's Name	Emmie Schubert		
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	-.1	
Sample Custody Seals	Yes No (N/A)	Temperature Reading	19.3	
Total Containers.		Corrected Temperature	19.2	

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides E300
TT-3 @ 0-1'	S	5/3/2024	0914	0-1'	Grab	1		X
TT-3 @ 2'	S	5/3/2024	0917	2'	Grab	1		X
TT-3 @ 3'	S	5/3/2024	0920	3'	Grab	1		X
TT-3 @ 4'	S	5/3/2024	0923	4'	Grab	1		X
TT-3 @ 5'	S	5/3/2024	0926	5'	Grab	1		X
TT-3 @ 6'	S	5/3/2024	0929	6'	Grab	1		X
TT-4 @ 0-1'	S	5/3/2024	0950	0-1'	Grab	1		X
TT-4 @ 2'	S	5/3/2024	0953	2'	Grab	1		X
TT-4 @ 3'	S	5/3/2024	0956	3'	Grab	1		X
TT-4 @ 4'	S	5/3/2024	0959	4'	Grab	1		X

Preservative Codes

None NO DI Water H_2O
Cool Cool MeOH Me
HCL HC HNO_3 HN
H_2S0_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		5/3/24 1237	2		
3			4		
0			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: 430885

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Project Manager	Jared Stoffel	Bill to (if different)	
Company Name	TRC Companies	Company Name	
Address	10 Desta Dr	Address	
City, State ZIP	Midland, TX	City, State ZIP	
Phone	432-238-3003	Email	jstoffel@trccompanies.com

Work Order Comments

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

Project Name	Azores Fed Com	Turn Around	☑ Routine ☐ Rush
Project Number	584312	Due Date	
Project Location		TAT starts the day received by the lab if received by 4 30pm	
Sampler's Name	Emmie Schubert		
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	-.1	
Sample Custody Seals	Yes No (N/A)	Temperature Reading	19.3	
Total Containers		Corrected Temperature	19.2	

Preservative Codes

None NO; DI Water H_2O
Cool Cool; MeOH Me
HCL HC; HNO_3 HN
H_2S0_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: Chlorides E300	Sample Comments
TT-4 @ 5'	S	5/3/2024	1002	5'	Grab	1	X	
TT-4 @ 6'	S	5/3/2024	1005	6'	Grab	1	X	
TT-4 @ 7'	S	5/3/2024	1020	7'	Grab	1	X	
TT-4 @ 8'R	S	5/3/2024	1023	8'	Grab	1	X	

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		5/3/24 1257	2		
3			4		
0			6		

Revised Date 08/25/2020 Rev 2020 2

Login Sample Receipt Checklist

Client: TRC Solutions, Inc. Job Number: 880-43085-1

Login Number: 43085 **List Source: Eurofins Midland**
List Number: 1
Creator: Vasquez, Julisa

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 351032

QUESTIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 351032
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2334550060**
Incident Name	**NAPP2334550060 AZORES WATER LINE @ 0**
Incident Type	**Release Other**
Incident Status	**Remediation Plan Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	AZORES WATER LINE
Date Release Discovered	12/08/2023
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Other | Truck | Crude Oil | Released: 0 BBL | Recovered: 0 BBL | Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Other | Truck | Produced Water | Released: 168 BBL | Recovered: 140 BBL | Lost: 28 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Cause: Other | Truck | Condensate | Released: 0 BBL | Recovered: 0 BBL | Lost: 0 BBL.
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 351032
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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

I hereby agree and sign off to the above statement	Name: Jared Stoffel Title: Scientist Email: jstoffel@trccompanies.com Date: 04/26/2024

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 351032
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	OCD Imaging Records Lookup
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	10400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	09/05/2024
On what date will (or did) the final sampling or liner inspection occur	09/10/2024
On what date will (or was) the remediation complete(d)	09/20/2024
What is the estimated surface area (in square feet) that will be reclaimed	23800
What is the estimated volume (in cubic yards) that will be reclaimed	2550
What is the estimated surface area (in square feet) that will be remediated	23800
What is the estimated volume (in cubic yards) that will be remediated	2550
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 351032
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	OWL LANDFILL JAL [fJEG1635837366]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Jared Stoffel Title: Scientist Email: jstoffel@trccompanies.com Date: 06/05/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 351032
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 351032
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	***{Unavailable.}***

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 351032

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 351032
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation plan is approved as written. COG has 90-days (September 5, 2024) to submit to OCD its appropriate or final remediation closure report.	6/7/2024