

Form C-141

State of New Mexico

Page 3

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	60 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

Form C-141

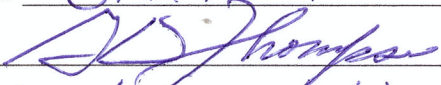
State of New Mexico

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Oil Conservation Division

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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: G. D THOMPSON Title: ENGINEER - EHS SR.Signature:  Date: 06/03/2022email: glen.thompson@kindermorgan.com Telephone: 432-333-5518**OCD Only**

Received by: _____ Date: _____

Form C-141

State of New Mexico

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Oil Conservation Division

Incident ID	
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Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: G.D. THOMPSON Title: ENGINEER - EHS SR.
Signature: [Signature] Date: 06/03/2022
email: glen.thompson@kindermorgan.com Telephone: 432-333-5518

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: Jennifer Nobui Date: 06/07/2022
Printed Name: Jennifer Nobui Title: Environmental Specialist A



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REMEDIATION SUMMARY AND SITE CLOSURE REQUEST

**El Paso Natural Gas Co. LLC
Ring Energy Line Strike
Lea County, New Mexico
Unit Letters "D", Section 36, Township 14 South, Range 37 East
Latitude 33.065970 ° North, Longitude -103.158644° West
NMOCD Incident No. nAPP2206251094**

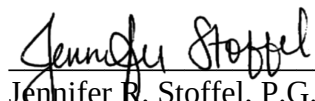
Prepared For:

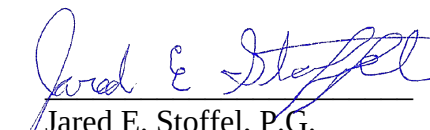
El Paso Natural Gas Company, LLC
1001 Louisiana Street, Room 1445B
Houston, Texas 77002

Prepared By:

TRC Environmental Corporation
505 East Huntland Drive, Suite 250
Austin, Texas 78752

June 2022


Jennifer B. Stoffel, P.G.
Assistant Project Manager


Jared E. Stoffel, P.G.
Project Manager



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INTRODUCTION & BACKGROUND INFORMATION

TRC Environmental Corporation (TRC), on behalf of El Paso Natural Gas Company LLC (EPNG) has prepared this *Remediation Summary and Site Closure Request* for the Ring Energy Line Strike Site (the Site). The legal description of the Site is Unit Letter "D", Section 36, Township 14 South, Range 37 East, in Lea County, New Mexico. The subject property is owned by a private landowner – Donna Spears Johnson. The GPS coordinates for the Site are Latitude 33.065970° N, Longitude -103.158644° W. A topographical map is provided as **Figure 1**.

On February 22, 2022, after completing the necessary one-call notice and while completing an anomaly dig on the EPNG Line 3031, an improperly marked produced water poly line was struck. The improperly marked line was Ring Energy's 12-inch pipeline, and the produced water was contained in EPNG's excavation trench. The released water did not overtop the excavation trench at any point, and the water was pumped out of the trench for approximately 12 hours until all recoverable fluids had been removed. The release footprint was located in the pastureland adjacent to a lease road. Ring Energy was contacted and the polymer pipeline was shut-in. To ensure that NMOCD received notice, EPNG notified the New Mexico Oil Conservation Division (NMOCD) verbally on the day of discovery. After discussions with Ring Energy, EPNG submitted a Form C-141 Release Notification (C-141) on March 9, 2022. The Release was assigned NMOCD incident number nAPP2206251094. The initial volume of the release reported to NMOCD was estimated to be approximately 300 to 400 gallons of produced water. However, as the produced water was pumped out of the excavation trench into a vacuum truck, the produced water from Ring Energy's shut-in line continued to drain into the trench. The C-141, submitted after fluid recovery and pipeline repair activities were completed, indicates approximately 162 barrels of fluid was released from the polymer pipeline. Approximately 160 barrels of fluids were recovered during initial response activities.

A groundwater database maintained by the New Mexico Office of the State Engineer (NMOSE) identified eleven (11) registered water wells in Section 36, Township 14 South, Range 37 East: eight (8) plugged, three (3) active. The NMOSE database indicated the nearest reported depth to groundwater was approximately sixty (60) ft below ground surface (bgs). Additional depth to groundwater data was sourced from the USGS National Water Information system well L-04694, located approximately 0.3 miles south of the Site. The most recent groundwater gauging indicated a depth to groundwater of approximately ninety (90) ft bgs and a total depth of one hundred and twenty-two (122) ft bgs. In addition, the Site is located within a low karst classified area. No surface water was observed within one thousand (1,000) ft of the Release. A site characterization and half-mile radius map with nearby water wells is provided as **Figure 2**.

Based on the inferred depth to groundwater at the Site, the NMOCD *Closure Criteria for Soils Impacted by a Release* warrants neither the most nor least stringent regulatory guidelines. The Site is located in the 'low karst' area as outlined in the Bureau of Land Management (BLM) publicly available Karst Potential Map. The Karst Potential Map is provided as **Figure 3**. Based on the NMOCD ranking criteria, the NMOCD regulatory guidelines for the Ring Energy Line Strike Site are as follows:



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- Chloride – 10,000 mg/kg
- Benzene – 5 mg/kg
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) – 50 mg/kg
- Gasoline Range + Diesel Range Organic Hydrocarbons (GRO + DRO) – 1,000 mg/kg
- Total Petroleum Hydrocarbons (TPH)– 2,500 mg/kg

The release footprint was laterally excavated to less than the most stringent NMOCD closure criteria for the purposes of surface reclamation of the surface four (4) feet of soil. The closure criteria for the surface four (4) feet are as follows:

- Chloride – 600 mg/kg
- Benzene – 5 mg/kg
- Benzene, toluene, ethylbenzene, and xylenes (BTEX) – 50 mg/kg
- Total Petroleum Hydrocarbons (TPH)– 100 mg/kg

EPNG SOIL REMEDIATION ACTIVITIES

In February and March 2022, initial soil remediation activities commenced at the Release Site. An onsite geologist field screened for chloride concentrations to guide the excavation activities, both laterally and vertically. The Release footprint was excavated to a depth of approximately 4.5 to 6 feet bgs and the footprint was laterally extended until chloride field screen results indicated soils were below NMOCD closure criteria, or the margins of the right-of-way were reached.

On April 13, 2022, following a progressive lateral ‘step-out’ requiring additional landowner access, the final extents of the excavation area were reached and final confirmation samples were collected. Figure 4 depicts the excavation footprint and the associated soil sample locations.

Confirmation soil samples were collected from the sidewalls and floor of the excavation using a 5-point composite soil sample per 200 square foot basis. Soil samples were submitted to Xenco-Eurofins in Midland, TX for TPH analysis by Method 8015M, BTEX analysis by EPA 8021B, and chloride analysis by Method 300.0.

Confirmation soil samples FL-1 @ 6', FL-2 @ 5', FL-3 @ 4.5', FL-4 @ 4.5', FL-5 @ 4.5', FL-6 @ 4.5', FL-7 @ 5', FL-8 @ 5', and FL-9 @ 5' were collected from the floor of the excavation. Sidewall soil samples ESW-1 @ 3', ESW-1A, ESW-2 @ 2.5', ESW-2A, SSW-1 @ 2', SSW-1A, WSW-1 @ 3', WSW-2 @ 2.5', and WSW-2A each exhibited chloride concentrations above 600 mg/kg, and the sidewalls represented by each of these sample locations were laterally advanced until chloride concentrations were below 600 mg/kg. The final excavation extent excavation is bounded by sidewall soil samples ESW-1B @ 2.5', ESW-2B @ 2.5', SSW-1B @ 2', WSW-1A, WSW-2B @ 2.5', and NSW-1. A review of the analytical data indicated the floor and sidewall soil samples were below the NMOCD regulatory guidelines for benzene, BTEX, TPH and chloride, with the exception of NSW-1 chloride concentration (626 mg/kg). The north wall of the excavation was extended to be immediately adjacent to the lease roadway, and further excavation



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would constitute a safety risk both to passing traffic and the exposed pipelines. A summary of the analytical data is shown in Table 1. Confirmation soil sample locations are depicted on **Figure 4**.

All soil was staged on polyvinyl sheeting adjacent to the excavation until it was transported to an NMOCD-approved disposal facility.

Following a final review of the analytical data, the excavation was backfilled to grade with locally sourced non-impacted “like” material. The impacted soil was transported under manifest to an NMOCD-approved facility. Photographic documentation of the remediation activities is provided as Appendix A. Laboratory analytical reports are provided as Appendix B.

REQUEST FOR CLOSURE

Remediation activities were conducted in accordance with NMCOD regulatory guidelines. Laboratory analytical results from excavation confirmation soil samples indicated TPH and BTEX concentrations were below the NMOCD regulatory guidelines in each of the submitted confirmation floor and sidewall soil samples. Chloride concentrations were below NMOCD regulatory guidelines each sample collected from the base of the excavation. Additionally, each sample collected from the sidewall of the excavation was below the most stringent NMOCD regulatory guidelines for reclamation purposes with the exception of soil sample NSW-1 (626 mg/kg). NSW-1 is located at the northern edge of the excavation, which was advanced to the lease road. Any additional excavation would encroach on the roadway. The area immediately underlying the roadway will not be re-seeded and reclaimed, so NGPL asserts the most stringent regulatory guidelines are not warranted in this location and respectfully requests no additional excavation be required based on the results of this soil sample.

The impacted soil was transported to an NMOCD-approved facility and the Site was returned to grade with locally sourced non-impacted backfill material.

Based on laboratory analytical results and field activities conducted to date, El Paso Natural Gas Company, LLC (EPNG), requests regulatory site closure be granted by NMOCD for the Ring Energy Line Strike Site (the Site). The closure request Form C-141 page is provided as Appendix C.

LIMITATIONS

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

TRC has examined and relied upon documents referenced in the report and has relied on oral statements by certain individuals. TRC has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. TRC has prepared this report, in a professional manner, using the degree of skill and care exercised by



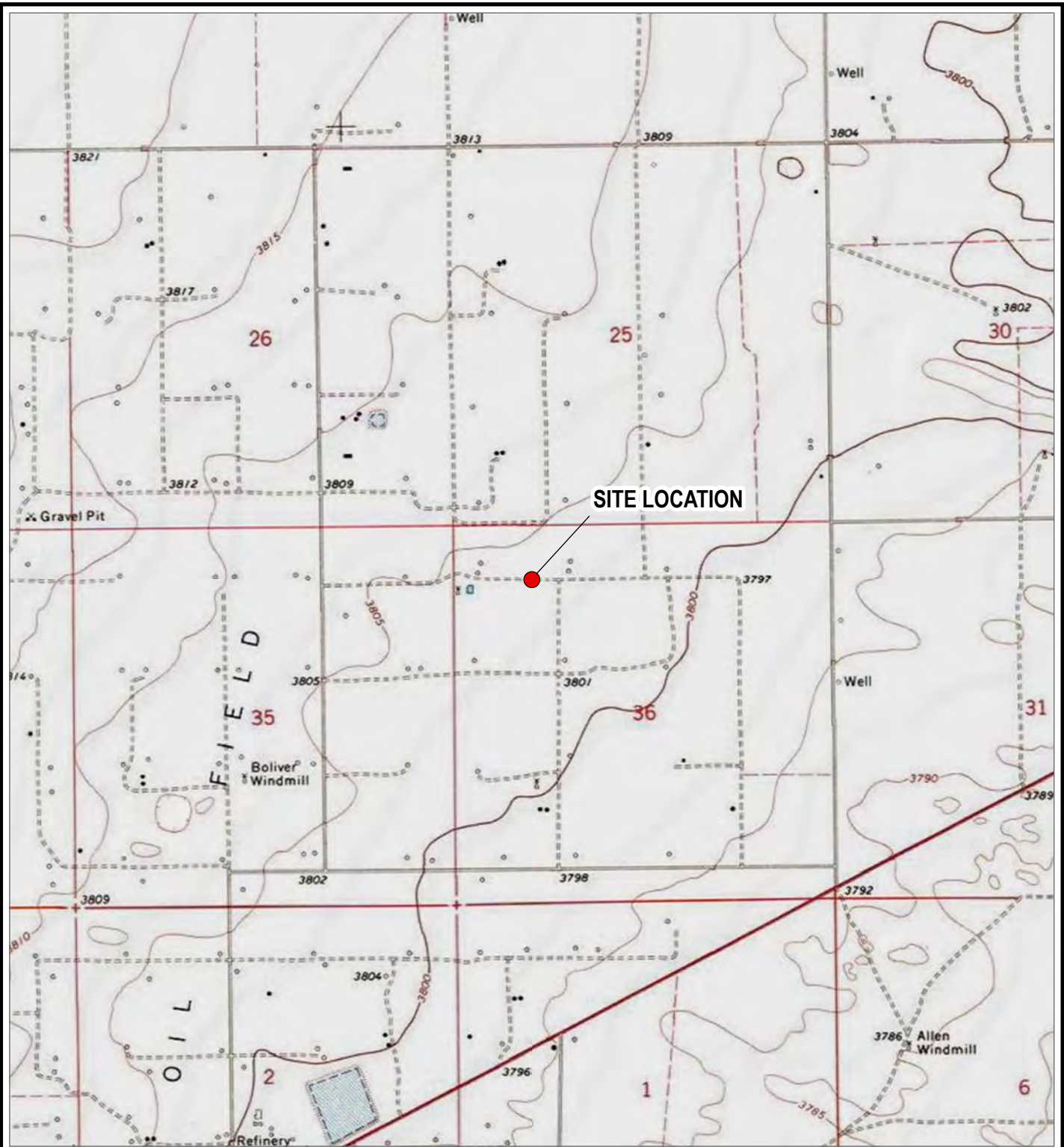
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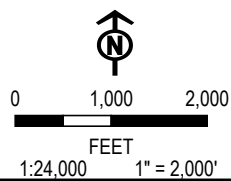
similar environmental consultants. TRC also notes that the facts and conditions referenced in this report may change over time and the conclusions set forth herein are applicable only to the facts and conditions as described at the time of this report.

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

COORDINATE SYSTEM: NAD 1983 STATEPLANE NEW MEXICO EAST FIPS 3001 FEET; MAP ROTATION: 0
 - SAVED BY: J. CRAHAN ON 4/21/2022, 15:13:20 PM; FILE PATH: T:\1-PROJECTS\KINDERMORGAN\483592 EMPG 3031\2-APR\EMPG 3031.APRX; LAYOUT NAME: FIGURE1 LOCATION MAP



● Site Location



PROJECT: EL PASO NATURAL GAS COMPANY EPNG 3031 LEA COUNTY, NM	
TITLE: SITE TOPOGRAPHIC MAP	
DRAWN BY: J. CRAHAN	PROJ. NO.: 483592.0000.0000
CHECKED BY: P. SHIN	FIGURE 1
APPROVED BY: J. STOFFEL	
DATE: APRIL 2022	
 TRC 505 EAST HUNTLAND DRIVE SUITE #250 AUSTIN, TX 78752 PHONE: 512.329.6080	
FILE:	EMPG_3031

BASE MAP: USGS 7.5 MINUTE TOPOGRAPHIC QUADRANGLE SERIES
 DATA SOURCES: TRC





Coordinate System: NAD 1983 StatePlane New Mexico East FIPS 3001 Feet, Map Rotation: 0
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LEGEND

- SIDEWALL SAMPLE LOCATION
- FLOOR SAMPLE LOCATION
- RING PIPELINE
- EPNG 3031 PIPELINE
- EXCAVATION AREA

BASE MAP: GOOGLE EARTH PRO, 1/19/2018.
DATA SOURCES: TRC

1:180
1" = 15'

PROJECT:		EL PASO NATURAL GAS COMPANY EPNG 3031 LEA COUNTY, NM	
TITLE: BASELINE SOIL SAMPLING MAP			
DRAWN BY:	J. CRAHAN	PROJ. NO.:	483592.0000.0000
CHECKED BY:	P. SHIN	FIGURE 4	
APPROVED BY:	J. STOFFEL		
DATE:	MAY 2022		
		505 EAST HUNTLAND DRIVE SUITE #250 AUSTIN, TX 78752 PHONE: 512.329.6080	
FILE:	EMPG_3031.aprx		

Table 1 - Summary of Confirmation Sampling

Sample Name	Soil Status	Depth (ft)	Date	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
Sidewall Confirmation Samples													
ESW-1 @ 3'	Excavted	3	2/24/2022	<15.0	<15.0	<15.0	<15.0	0.280	0.0334 J	0.210	0.190 J	0.713	8,050 F1
ESW-1A	Excavted	3	3/1/2022	<15.0	56.5	<15.0	56.5	<0.000386	0.000470 J	<0.000566	<0.00101	<0.00101	855 F1
ESW-1B @ 2.5'	In-Situ	2.5	4/13/2022	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	85.6
ESW-2 @ 2.5'	Excavted	2.5	2/24/2022	<15.0	<15.0	<15.0	<15.0	0.304	0.0336 J	0.0429 J	<0.0202	0.388	8,280
ESW-2A	Excavted	2.5	3/1/2022	16.7 J	72.8	<15.0	89.5	<0.000387	<0.000459	<0.000568	<0.00102	<0.00102	626
ESW-2B @ 2.5'	In-Situ	2.5	4/13/2022	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	31.5
SSW-1 @ 2'	Excavted	2	2/24/2022	<15.0	<15.0	<15.0	<15.0	0.243	0.0264 J	<0.0113	<0.0201	0.269	6,960
SSW-1A	Excavted	2	3/1/2022	18.5 J	51.3	<15.0	69.8	<0.000383	0.000513 J	<0.000562	<0.00101	<0.00101	1,850
SSW-1B @ 2'	In-Situ	2	3/17/2022	<14.9	48.8 J F1	<14.9	48.8 J	<0.000381	<0.000451	<0.000559	<0.00100	<0.00100	570
WSW-1 @ 3'	Excavted	3	2/24/2022	<15.0	<15.0	<15.0	<15.0	0.367	0.0434	<0.0113	<0.0202	0.410	7,250
WSW-1A	In-Situ	3	2/28/2022	20.7 J B	44.2 J B	<15.0	64.9	<0.000383	0.000512 J	<0.000563	<0.00101	<0.00101	592
WSW-2 @ 2.5'	Excavted	2.5	2/24/2022	<15.0	<15.0	<15.0	<15.0	0.261	.0305 J	<0.0113	<0.0202	0.292	8,080
WSW-2A	Excavted	2.5	3/1/2022	23.9 J	54.7	<15.0	78.6	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	947
WSW-2B @ 2.5'	In-Situ	2.5	3/23/2022	<15.0	23.7 J	<15.0	23.7 J	0.00046 J	<0.000453	<0.000562	<0.00100	<0.00100	223
NSW-1	In-Situ	3	2/28/2022	23.0 J B	43.9 J B	<14.9	66.9	<0.000382	.000627 J	<0.000561	<0.00100	<0.00100	626
Floor Confirmation Samples													
FL-1 @ 6'	In-Situ	6	2/24/2022	15.7 J	<15.0	<15.0	15.7 J	0.175	0.0232 J	<0.0112	<0.0201	0.266	8,450
FL-2 @ 5'	In-Situ	5	2/24/2022	<15.0	<15.0	<15.0	<15.0	0.237	0.0286 J	<0.0113	<0.0202	0.266	7,490
FL-3 @ 4.5'	In-Situ	4.5	3/21/2022	<14.9	16.2 J	<14.9	16.2 J	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	4,430
FL-4 @ 4.5'	In-Situ	4.5	3/21/2022	<15.0	20.0 J	<15.0	20.0 J	<0.000386	<0.000457	<0.000566	<0.00101	<0.00101	7,150
FL-5 @ 4.5'	In-Situ	4.5	3/21/2022	<15.0	<15.0	<15.0	<15.0	<0.000386	<0.000457	<0.000566	<0.00101	<0.00101	4,550
FL-6 @ 4.5'	In-Situ	4.5	3/21/2022	<15.0	29.2 J	<15.0	29.2 J	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	3,300
FL-7 @ 5'	In-Situ	5	4/13/2022	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,850
FL-8 @ 5'	In-Situ	5	4/13/2022	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	3,400
FL-9 @ 5'	In-Situ	5	4/13/2022	<15.0	20.5 J B	<15.0	20.5 J	<0.000387	<0.000459	<0.000568	<0.00102	<0.00102	925
NMOC Regulatory Limits				-	-	-	100	5	-	-	-	50	600/10,000

Notes:

ft Feet

mg/kg Milligrams per kilogram

J Indicates an estimated value

F1 Matrix Spike (MS) and/or Matrix Spike Duplicate (MSD) recovery exceeds control limits

B Compound was found in the blank and sample

Below NMOC Regulatory Limits, Above Reclamation Limit, Collected from edge of roadway

Below NMOC Regulatory Limits

BOLD Above NMOC Regulatory Limits

NMOC New Mexico Oil Conservation Division



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Appendix A: Site Photographic Log – 2022 Site Activities

EPNG 3031 - Ring Energy Line Strike

Date: 2/22/22

Photographic Documentation**Photograph No. 1****Date:**

2/22/2022

Direction:

North

Description:View of the
impacted area
prior to
excavation.**Photograph No. 2****Date:**

2/22/2022

Direction:

Northeast

Description:View of the
impacted area
prior to
excavation.

EPNG 3031 - Ring Energy Line Strike

Date: 4/14/2022

Photographic Documentation

Photograph No. 3

Date:

4/14/2022

Direction:

Southeast

Description:

View of the
impacted soil
excavation.



Photograph No. 4

Date:

4/14/2022

Direction:

West

Description:

View of the EPNG
KM Line within
the excavation
area.



EPNG 3031 - Ring Energy Line Strike

Date: 4/14/2022

Photographic Documentation

Photograph No. 5

Date:

4/14/2022

Direction:

Northwest

Description:

View of the
excavated soil
stockpile.



Photograph No. 6

Date:

4/14/2022

Direction:

Northeast

Description:

View of the
eastern wall of
the excavation
area.



EPNG 3031 - Ring Energy Line Strike

Date: 4/14/2022

Photographic Documentation

Photograph No. 7

Date:

4/14/2022

Direction:

Northwest

Description:

View of the western wall of the excavation area.



Photograph No. 8

Date:

4/14/2022

Direction:

East

Description:

View of the eastern wall and soil stockpile.



EPNG 3031 - Ring Energy Line Strike

Date: 4/14/2022

Photographic Documentation

Photograph No. 9

Date:

4/14/2022

Direction:

Northeast

Description:

**View of the Ring
Energy Line
(horizontal) and
EPNG KM Line
(vertical).**



**Photograph No.
10**

Date:

4/14/2022

Direction:

West

Description:

**View of the
excavation area
and dump truck
transporting the
impacted soil.**



EPNG 3031 - Ring Energy Line Strike

Date: 4/19/2022

Photographic Documentation**Photograph No.****11****Date:****4/19/2022****Direction:****Southeast****Description:****View of the
backfilled
excavation area.****Photograph No.****12****Date:****4/19/2022****Direction:****South****Description:****View of
backfilled and
graded
excavation area.**



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Appendix B: Laboratory Analytical Reports



Environment Testing
America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11730-1

Laboratory Sample Delivery Group: Lea County, New Mexico
Client Project/Site: EPNG 3031 LS

For:

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
2/28/2022 7:30:42 PM

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

LINKS

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www.eurofinsus.com/Env

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

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

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Laboratory Job ID: 880-11730-1
SDG: Lea County, New Mexico

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Eurofins Midland

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Job ID: 880-11730-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-11730-1

Receipt

The samples were received on 2/25/2022 12:48 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: FL-2 @ 5' (880-11730-7). Evidence of matrix interferences is not obvious.

Method 8021B: The following samples were diluted due to the nature of the sample matrix: ESW-1 @ 3' (880-11730-1), ESW-2 @ 2.5' (880-11730-2), SSW-1 @ 2' (880-11730-3), WSW-1 @ 3' (880-11730-4), WSW-2 @ 2.5' (880-11730-5), FL-1 @ 6' (880-11730-6) and FL-2 @ 5' (880-11730-7) at 20.0, 20.0, 20.0, 20.0, 20.0, 20.0 and 20.0. Elevated reporting limits (RLs) are provided.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20212 and analytical batch 880-20399 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-20335/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-20402 and analytical batch 880-20412 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: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Client Sample ID: ESW-1 @ 3'

Lab Sample ID: 880-11730-1

Date Collected: 02/24/22 16:30

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.280		0.0398	0.00765 mg/Kg		02/28/22 08:00	02/28/22 11:26	20
Toluene	0.0334	J	0.0398	0.00907 mg/Kg		02/28/22 08:00	02/28/22 11:26	20
Ethylbenzene	0.210		0.0998	0.0282 mg/Kg		02/25/22 13:38	02/27/22 11:13	50
m-Xylene & p-Xylene	0.190	J	0.200	0.0504 mg/Kg		02/25/22 13:38	02/27/22 11:13	50
o-Xylene	<0.00684	U	0.0398	0.00684 mg/Kg		02/28/22 08:00	02/28/22 11:26	20
Xylenes, Total	0.190	J	0.200	0.0504 mg/Kg		02/25/22 13:38	02/27/22 11:13	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130	02/25/22 13:38	02/27/22 11:13	50
1,4-Difluorobenzene (Surr)	92		70 - 130	02/25/22 13:38	02/27/22 11:13	50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.713		0.200	0.0504 mg/Kg			02/28/22 18:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0 mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0 mg/Kg		02/25/22 14:41	02/26/22 05:52	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0 mg/Kg		02/25/22 14:41	02/26/22 05:52	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0 mg/Kg		02/25/22 14:41	02/26/22 05:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	02/25/22 14:41	02/26/22 05:52	1
o-Terphenyl	95		70 - 130	02/25/22 14:41	02/26/22 05:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8050	F1	99.6	17.1 mg/Kg			02/27/22 22:29	20

Client Sample ID: ESW-2 @ 2.5'

Lab Sample ID: 880-11730-2

Date Collected: 02/24/22 16:35

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.304		0.0401	0.00772 mg/Kg		02/28/22 08:00	02/28/22 11:47	20
Toluene	0.0336	J	0.0401	0.00914 mg/Kg		02/28/22 08:00	02/28/22 11:47	20
Ethylbenzene	0.0429	J	0.100	0.0284 mg/Kg		02/25/22 13:38	02/27/22 11:34	50
m-Xylene & p-Xylene	<0.0202	U	0.0802	0.0202 mg/Kg		02/28/22 08:00	02/28/22 11:47	20
o-Xylene	0.00705	J	0.0401	0.00689 mg/Kg		02/28/22 08:00	02/28/22 11:47	20
Xylenes, Total	<0.0202	U	0.0802	0.0202 mg/Kg		02/28/22 08:00	02/28/22 11:47	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	02/25/22 13:38	02/27/22 11:34	50
1,4-Difluorobenzene (Surr)	92		70 - 130	02/25/22 13:38	02/27/22 11:34	50

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Client Sample ID: ESW-2 @ 2.5'

Lab Sample ID: 880-11730-2

Date Collected: 02/24/22 16:35

Matrix: Solid

Date Received: 02/25/22 12:48

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.388		0.100	0.0284 mg/Kg			02/28/22 18:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0 mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0 mg/Kg		02/25/22 14:41	02/26/22 06:13	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0 mg/Kg		02/25/22 14:41	02/26/22 06:13	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0 mg/Kg		02/25/22 14:41	02/26/22 06:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130			02/25/22 14:41	02/26/22 06:13	1
o-Terphenyl	93		70 - 130			02/25/22 14:41	02/26/22 06:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8280		100	17.2 mg/Kg			02/27/22 22:56	20

Client Sample ID: SSW-1 @ 2'

Lab Sample ID: 880-11730-3

Date Collected: 02/24/22 16:40

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.243		0.0398	0.00767 mg/Kg		02/28/22 08:00	02/28/22 12:08	20
Toluene	0.0264 J		0.100	0.0228 mg/Kg		02/25/22 13:38	02/27/22 11:54	50
Ethylbenzene	<0.0113	U	0.0398	0.0113 mg/Kg		02/28/22 08:00	02/28/22 12:08	20
m-Xylene & p-Xylene	<0.0201	U	0.0797	0.0201 mg/Kg		02/28/22 08:00	02/28/22 12:08	20
o-Xylene	<0.00685	U	0.0398	0.00685 mg/Kg		02/28/22 08:00	02/28/22 12:08	20
Xylenes, Total	<0.0201	U	0.0797	0.0201 mg/Kg		02/28/22 08:00	02/28/22 12:08	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			02/25/22 13:38	02/27/22 11:54	50
1,4-Difluorobenzene (Surr)	94		70 - 130			02/25/22 13:38	02/27/22 11:54	50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.269		0.0797	0.0201 mg/Kg			02/28/22 18:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0 mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0 mg/Kg		02/25/22 14:41	02/26/22 06:33	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0 mg/Kg		02/25/22 14:41	02/26/22 06:33	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Client Sample ID: SSW-1 @ 2'

Lab Sample ID: 880-11730-3

Date Collected: 02/24/22 16:40

Matrix: Solid

Date Received: 02/25/22 12:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0 mg/Kg		02/25/22 14:41	02/26/22 06:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			02/25/22 14:41	02/26/22 06:33	1
o-Terphenyl	96		70 - 130			02/25/22 14:41	02/26/22 06:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6960		49.6	8.51 mg/Kg			02/27/22 23:05	10

Client Sample ID: WSW-1 @ 3'

Lab Sample ID: 880-11730-4

Date Collected: 02/24/22 16:45

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.367		0.0399	0.00768 mg/Kg		02/28/22 08:00	02/28/22 12:29	20
Toluene	0.0434		0.0399	0.00910 mg/Kg		02/28/22 08:00	02/28/22 12:29	20
Ethylbenzene	<0.0113	U	0.0399	0.0113 mg/Kg		02/28/22 08:00	02/28/22 12:29	20
m-Xylene & p-Xylene	<0.0202	U	0.0798	0.0202 mg/Kg		02/28/22 08:00	02/28/22 12:29	20
o-Xylene	<0.00687	U	0.0399	0.00687 mg/Kg		02/28/22 08:00	02/28/22 12:29	20
Xylenes, Total	<0.0202	U	0.0798	0.0202 mg/Kg		02/28/22 08:00	02/28/22 12:29	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130			02/25/22 13:38	02/27/22 12:15	50
1,4-Difluorobenzene (Surr)	94		70 - 130			02/25/22 13:38	02/27/22 12:15	50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.410		0.0798	0.0202 mg/Kg			02/28/22 18:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0 mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0 mg/Kg		02/25/22 14:41	02/26/22 06:54	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0 mg/Kg		02/25/22 14:41	02/26/22 06:54	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0 mg/Kg		02/25/22 14:41	02/26/22 06:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130			02/25/22 14:41	02/26/22 06:54	1
o-Terphenyl	110		70 - 130			02/25/22 14:41	02/26/22 06:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7250		50.4	8.65 mg/Kg			02/27/22 23:14	10

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Client Sample ID: WSW-2 @ 2.5'

Lab Sample ID: 880-11730-5

Date Collected: 02/24/22 16:50

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.261		0.0399	0.00768 mg/Kg		02/28/22 08:00	02/28/22 12:49	20
Toluene	0.0305	J	0.0399	0.00910 mg/Kg		02/28/22 08:00	02/28/22 12:49	20
Ethylbenzene	<0.0113	U	0.0399	0.0113 mg/Kg		02/28/22 08:00	02/28/22 12:49	20
m-Xylene & p-Xylene	<0.0202	U	0.0798	0.0202 mg/Kg		02/28/22 08:00	02/28/22 12:49	20
o-Xylene	<0.00687	U	0.0399	0.00687 mg/Kg		02/28/22 08:00	02/28/22 12:49	20
Xylenes, Total	<0.0202	U	0.0798	0.0202 mg/Kg		02/28/22 08:00	02/28/22 12:49	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	02/25/22 13:38	02/27/22 12:35	50
1,4-Difluorobenzene (Surr)	94		70 - 130	02/25/22 13:38	02/27/22 12:35	50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.292		0.0798	0.0202 mg/Kg			02/28/22 18:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0 mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0 mg/Kg		02/25/22 14:41	02/26/22 07:16	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0 mg/Kg		02/25/22 14:41	02/26/22 07:16	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0 mg/Kg		02/25/22 14:41	02/26/22 07:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	02/25/22 14:41	02/26/22 07:16	1
o-Terphenyl	110		70 - 130	02/25/22 14:41	02/26/22 07:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8080		99.8	17.1 mg/Kg			02/27/22 23:23	20

Client Sample ID: FL-1 @ 6'

Lab Sample ID: 880-11730-6

Date Collected: 02/24/22 16:55

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.175		0.0398	0.00765 mg/Kg		02/28/22 08:00	02/28/22 13:10	20
Toluene	0.0232	J	0.0998	0.0228 mg/Kg		02/25/22 13:38	02/27/22 12:56	50
Ethylbenzene	<0.0112	U	0.0398	0.0112 mg/Kg		02/28/22 08:00	02/28/22 13:10	20
m-Xylene & p-Xylene	<0.0201	U	0.0795	0.0201 mg/Kg		02/28/22 08:00	02/28/22 13:10	20
o-Xylene	<0.00684	U	0.0398	0.00684 mg/Kg		02/28/22 08:00	02/28/22 13:10	20
Xylenes, Total	<0.0201	U	0.0795	0.0201 mg/Kg		02/28/22 08:00	02/28/22 13:10	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	02/25/22 13:38	02/27/22 12:56	50
1,4-Difluorobenzene (Surr)	94		70 - 130	02/25/22 13:38	02/27/22 12:56	50

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Client Sample ID: FL-1 @ 6'

Lab Sample ID: 880-11730-6

Date Collected: 02/24/22 16:55

Matrix: Solid

Date Received: 02/25/22 12:48

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.198		0.0795	0.0201 mg/Kg			02/28/22 18:47	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.7	J	49.9	15.0 mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.7	J	49.9	15.0 mg/Kg		02/25/22 14:41	02/26/22 07:37	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0 mg/Kg		02/25/22 14:41	02/26/22 07:37	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0 mg/Kg		02/25/22 14:41	02/26/22 07:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			02/25/22 14:41	02/26/22 07:37	1
o-Terphenyl	108		70 - 130			02/25/22 14:41	02/26/22 07:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8450		99.6	17.1 mg/Kg			02/27/22 23:50	20

Client Sample ID: FL-2 @ 5'

Lab Sample ID: 880-11730-7

Date Collected: 02/24/22 17:00

Matrix: Solid

Date Received: 02/25/22 12:48

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.237		0.0399	0.00768 mg/Kg		02/28/22 08:00	02/28/22 13:31	20
Toluene	0.0286	J	0.101	0.0230 mg/Kg		02/25/22 13:38	02/27/22 13:16	50
Ethylbenzene	<0.0113	U	0.0399	0.0113 mg/Kg		02/28/22 08:00	02/28/22 13:31	20
m-Xylene & p-Xylene	<0.0202	U	0.0798	0.0202 mg/Kg		02/28/22 08:00	02/28/22 13:31	20
o-Xylene	<0.00687	U	0.0399	0.00687 mg/Kg		02/28/22 08:00	02/28/22 13:31	20
Xylenes, Total	<0.0202	U	0.0798	0.0202 mg/Kg		02/28/22 08:00	02/28/22 13:31	20
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	0.04	S1-	70 - 130			02/25/22 13:38	02/27/22 13:16	50
1,4-Difluorobenzene (Surr)	92		70 - 130			02/25/22 13:38	02/27/22 13:16	50

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.266		0.0798	0.0202 mg/Kg			02/28/22 19:17	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0 mg/Kg			02/28/22 13:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0 mg/Kg		02/25/22 14:41	02/26/22 07:59	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0 mg/Kg		02/25/22 14:41	02/26/22 07:59	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Client Sample ID: FL-2 @ 5'

Lab Sample ID: 880-11730-7

Date Collected: 02/24/22 17:00

Matrix: Solid

Date Received: 02/25/22 12:48

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0 mg/Kg		02/25/22 14:41	02/26/22 07:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	02/25/22 14:41	02/26/22 07:59	1
o-Terphenyl	101		70 - 130	02/25/22 14:41	02/26/22 07:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7490		50.5	8.67 mg/Kg			02/27/22 23:58	10

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
880-11730-1	ESW-1 @ 3'	96	92
880-11730-2	ESW-2 @ 2.5'	99	92
880-11730-3	SSW-1 @ 2'	100	94
880-11730-4	WSW-1 @ 3'	100	94
880-11730-5	WSW-2 @ 2.5'	100	94
880-11730-6	FL-1 @ 6'	102	94
880-11730-7	FL-2 @ 5'	0.04 S1-	92
880-11731-A-1-B MS	Matrix Spike	99	99
880-11731-A-1-C MSD	Matrix Spike Duplicate	105	100
890-2008-A-1-F MS	Matrix Spike	131 S1+	110
890-2008-A-1-G MSD	Matrix Spike Duplicate	123	92
LCS 880-20212/1-A	Lab Control Sample	86	107
LCS 880-20320/1-A	Lab Control Sample	106	100
LCSD 880-20212/2-A	Lab Control Sample Dup	89	108
LCSD 880-20320/2-A	Lab Control Sample Dup	104	101
MB 880-20198/5-A	Method Blank	97	96
MB 880-20212/5-A	Method Blank	114	101
MB 880-20320/5-A	Method Blank	98	97
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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
880-11730-1	ESW-1 @ 3'	96	95
880-11730-2	ESW-2 @ 2.5'	92	93
880-11730-3	SSW-1 @ 2'	98	96
880-11730-4	WSW-1 @ 3'	108	110
880-11730-5	WSW-2 @ 2.5'	109	110
880-11730-6	FL-1 @ 6'	107	108
880-11730-7	FL-2 @ 5'	101	101
880-11731-A-1-G MS	Matrix Spike	90	83
880-11731-A-1-H MSD	Matrix Spike Duplicate	92	83
LCS 880-20335/2-A	Lab Control Sample	78	77
LCSD 880-20335/3-A	Lab Control Sample Dup	108	104
MB 880-20335/1-A	Method Blank	122	131 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20198/5-A

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20198

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385 mg/Kg		02/24/22 10:28	02/26/22 17:30	1
Toluene	<0.000456	U	0.00200	0.000456 mg/Kg		02/24/22 10:28	02/26/22 17:30	1
Ethylbenzene	<0.000565	U	0.00200	0.000565 mg/Kg		02/24/22 10:28	02/26/22 17:30	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101 mg/Kg		02/24/22 10:28	02/26/22 17:30	1
o-Xylene	<0.000344	U	0.00200	0.000344 mg/Kg		02/24/22 10:28	02/26/22 17:30	1
Xylenes, Total	<0.00101	U	0.00400	0.00101 mg/Kg		02/24/22 10:28	02/26/22 17:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	02/24/22 10:28	02/26/22 17:30	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/24/22 10:28	02/26/22 17:30	1

Lab Sample ID: MB 880-20212/5-A

Matrix: Solid

Analysis Batch: 20399

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20212

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385 mg/Kg		02/28/22 08:00	02/28/22 10:44	1
Toluene	<0.000456	U	0.00200	0.000456 mg/Kg		02/28/22 08:00	02/28/22 10:44	1
Ethylbenzene	<0.000565	U	0.00200	0.000565 mg/Kg		02/28/22 08:00	02/28/22 10:44	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101 mg/Kg		02/28/22 08:00	02/28/22 10:44	1
o-Xylene	<0.000344	U	0.00200	0.000344 mg/Kg		02/28/22 08:00	02/28/22 10:44	1
Xylenes, Total	<0.00101	U	0.00400	0.00101 mg/Kg		02/28/22 08:00	02/28/22 10:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	02/28/22 08:00	02/28/22 10:44	1
1,4-Difluorobenzene (Surr)	101		70 - 130	02/28/22 08:00	02/28/22 10:44	1

Lab Sample ID: LCS 880-20212/1-A

Matrix: Solid

Analysis Batch: 20399

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1032		mg/Kg		103	70 - 130
Toluene	0.100	0.09053		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.08931		mg/Kg		89	70 - 130
m-Xylene & p-Xylene	0.200	0.1833		mg/Kg		92	70 - 130
o-Xylene	0.100	0.08947		mg/Kg		89	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-20212/2-A

Matrix: Solid

Analysis Batch: 20399

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20212

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1020		mg/Kg		102	70 - 130	1	35

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-20212/2-A

Matrix: Solid

Analysis Batch: 20399

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20212

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.08918		mg/Kg		89	70 - 130	2	35
Ethylbenzene	0.100	0.08971		mg/Kg		90	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1840		mg/Kg		92	70 - 130	0	35
o-Xylene	0.100	0.08996		mg/Kg		90	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	89		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 890-2008-A-1-F MS

Matrix: Solid

Analysis Batch: 20399

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20212

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.000387	U F1	0.0996	0.06831	F1	mg/Kg		69	70 - 130
Toluene	<0.000458	U F1	0.0996	0.05886	F1	mg/Kg		59	70 - 130
Ethylbenzene	<0.000567	U F1	0.0996	0.06352	F1	mg/Kg		64	70 - 130
m-Xylene & p-Xylene	<0.00101	U F1	0.199	0.1291	F1	mg/Kg		65	70 - 130
o-Xylene	<0.000345	U F1	0.0996	0.06851	F1	mg/Kg		69	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 890-2008-A-1-G MSD

Matrix: Solid

Analysis Batch: 20399

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20212

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.000387	U F1	0.0998	0.06229	F1	mg/Kg		62	70 - 130	9	35
Toluene	<0.000458	U F1	0.0998	0.06471	F1	mg/Kg		65	70 - 130	9	35
Ethylbenzene	<0.000567	U F1	0.0998	0.06804	F1	mg/Kg		68	70 - 130	7	35
m-Xylene & p-Xylene	<0.00101	U F1	0.200	0.1414		mg/Kg		71	70 - 130	9	35
o-Xylene	<0.000345	U F1	0.0998	0.07126		mg/Kg		71	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	123		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

Lab Sample ID: MB 880-20320/5-A

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20320

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg	02/25/22 13:38	02/27/22 05:08	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg	02/25/22 13:38	02/27/22 05:08	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg	02/25/22 13:38	02/27/22 05:08	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101	mg/Kg	02/25/22 13:38	02/27/22 05:08	1

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

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

Lab Sample ID: MB 880-20320/5-A

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20320

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	<0.000344	U	0.00200	mg/Kg		02/25/22 13:38	02/27/22 05:08	1
Xylenes, Total	<0.00101	U	0.00400	mg/Kg		02/25/22 13:38	02/27/22 05:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	02/25/22 13:38	02/27/22 05:08	1
1,4-Difluorobenzene (Surr)	97		70 - 130	02/25/22 13:38	02/27/22 05:08	1

Lab Sample ID: LCS 880-20320/1-A

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20320

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1141		mg/Kg		114	70 - 130
Toluene	0.100	0.1071		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.1080		mg/Kg		108	70 - 130
m-Xylene & p-Xylene	0.200	0.2510		mg/Kg		126	70 - 130
o-Xylene	0.100	0.1238		mg/Kg		124	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-20320/2-A

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20320

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1083		mg/Kg		108	70 - 130	5	35
Toluene	0.100	0.1018		mg/Kg		102	70 - 130	5	35
Ethylbenzene	0.100	0.1008		mg/Kg		101	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.2340		mg/Kg		117	70 - 130	7	35
o-Xylene	0.100	0.1160		mg/Kg		116	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 880-11731-A-1-B MS

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20320

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.000381	U	0.101	0.09978		mg/Kg		99	70 - 130
Toluene	0.000565	J	0.101	0.09284		mg/Kg		91	70 - 130
Ethylbenzene	<0.000559	U	0.101	0.09229		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	<0.00100	U	0.202	0.2137		mg/Kg		106	70 - 130
o-Xylene	<0.000341	U	0.101	0.1055		mg/Kg		104	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

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

Lab Sample ID: 880-11731-A-1-B MS

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20320

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

Lab Sample ID: 880-11731-A-1-C MSD

Matrix: Solid

Analysis Batch: 20288

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20320

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.000381	U	0.101	0.09418		mg/Kg		94	70 - 130	6	35
Toluene	0.000565	J	0.101	0.08966		mg/Kg		89	70 - 130	3	35
Ethylbenzene	<0.000559	U	0.101	0.08988		mg/Kg		89	70 - 130	3	35
m-Xylene & p-Xylene	<0.00100	U	0.201	0.2102		mg/Kg		104	70 - 130	2	35
o-Xylene	<0.000341	U	0.101	0.1027		mg/Kg		102	70 - 130	3	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-20335/1-A

Matrix: Solid

Analysis Batch: 20308

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20335

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0 mg/Kg		02/25/22 14:41	02/25/22 23:05	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0 mg/Kg		02/25/22 14:41	02/25/22 23:05	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0 mg/Kg		02/25/22 14:41	02/25/22 23:05	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane	122		70 - 130	02/25/22 14:41	02/25/22 23:05	1		
o-Terphenyl	131	S1+	70 - 130	02/25/22 14:41	02/25/22 23:05	1		

Lab Sample ID: LCS 880-20335/2-A

Matrix: Solid

Analysis Batch: 20308

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20335

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	769.8		mg/Kg		77	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	898.0		mg/Kg		90	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	78		70 - 130
o-Terphenyl	77		70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

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

Lab Sample ID: LCSD 880-20335/3-A

Matrix: Solid

Analysis Batch: 20308

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20335

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	864.5		mg/Kg		86	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	1011		mg/Kg		101	70 - 130	12	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	108		70 - 130						
o-Terphenyl	104		70 - 130						

Lab Sample ID: 880-11731-A-1-G MS

Matrix: Solid

Analysis Batch: 20308

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20335

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	1000	1185		mg/Kg		119	70 - 130		
Diesel Range Organics (Over C10-C28)	<15.0	U	1000	1221		mg/Kg		122	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	90		70 - 130								
o-Terphenyl	83		70 - 130								

Lab Sample ID: 880-11731-A-1-H MSD

Matrix: Solid

Analysis Batch: 20308

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20335

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	<15.0	U	998	1217		mg/Kg		122	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<15.0	U	998	1205		mg/Kg		121	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	92		70 - 130								
o-Terphenyl	83		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20402/1-A

Matrix: Solid

Analysis Batch: 20412

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858 mg/Kg			02/27/22 22:03	1

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-20402/2-A

Matrix: Solid

Analysis Batch: 20412

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	254.5		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-20402/3-A

Matrix: Solid

Analysis Batch: 20412

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	255.4		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 880-11730-1 MS

Matrix: Solid

Analysis Batch: 20412

Client Sample ID: ESW-1 @ 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	8050	F1	4980	14810	F1	mg/Kg		136	90 - 110

Lab Sample ID: 880-11730-1 MSD

Matrix: Solid

Analysis Batch: 20412

Client Sample ID: ESW-1 @ 3'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	8050	F1	4980	14810	F1	mg/Kg		136	90 - 110	0	20

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

GC VOA

Prep Batch: 20198

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20198/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 20212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11730-1	ESW-1 @ 3'	Total/NA	Solid	5035	
880-11730-2	ESW-2 @ 2.5'	Total/NA	Solid	5035	
880-11730-3	SSW-1 @ 2'	Total/NA	Solid	5035	
880-11730-4	WSW-1 @ 3'	Total/NA	Solid	5035	
880-11730-5	WSW-2 @ 2.5'	Total/NA	Solid	5035	
880-11730-6	FL-1 @ 6'	Total/NA	Solid	5035	
880-11730-7	FL-2 @ 5'	Total/NA	Solid	5035	
MB 880-20212/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20212/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20212/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2008-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
890-2008-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11730-1	ESW-1 @ 3'	Total/NA	Solid	8021B	20320
880-11730-2	ESW-2 @ 2.5'	Total/NA	Solid	8021B	20320
880-11730-3	SSW-1 @ 2'	Total/NA	Solid	8021B	20320
880-11730-4	WSW-1 @ 3'	Total/NA	Solid	8021B	20320
880-11730-5	WSW-2 @ 2.5'	Total/NA	Solid	8021B	20320
880-11730-6	FL-1 @ 6'	Total/NA	Solid	8021B	20320
880-11730-7	FL-2 @ 5'	Total/NA	Solid	8021B	20320
MB 880-20198/5-A	Method Blank	Total/NA	Solid	8021B	20198
MB 880-20320/5-A	Method Blank	Total/NA	Solid	8021B	20320
LCS 880-20320/1-A	Lab Control Sample	Total/NA	Solid	8021B	20320
LCSD 880-20320/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20320
880-11731-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	20320
880-11731-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20320

Prep Batch: 20320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11730-1	ESW-1 @ 3'	Total/NA	Solid	5035	
880-11730-2	ESW-2 @ 2.5'	Total/NA	Solid	5035	
880-11730-3	SSW-1 @ 2'	Total/NA	Solid	5035	
880-11730-4	WSW-1 @ 3'	Total/NA	Solid	5035	
880-11730-5	WSW-2 @ 2.5'	Total/NA	Solid	5035	
880-11730-6	FL-1 @ 6'	Total/NA	Solid	5035	
880-11730-7	FL-2 @ 5'	Total/NA	Solid	5035	
MB 880-20320/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20320/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20320/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11731-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-11731-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11730-1	ESW-1 @ 3'	Total/NA	Solid	8021B	20212

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

GC VOA (Continued)

Analysis Batch: 20399 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11730-2	ESW-2 @ 2.5'	Total/NA	Solid	8021B	20212
880-11730-3	SSW-1 @ 2'	Total/NA	Solid	8021B	20212
880-11730-4	WSW-1 @ 3'	Total/NA	Solid	8021B	20212
880-11730-5	WSW-2 @ 2.5'	Total/NA	Solid	8021B	20212
880-11730-6	FL-1 @ 6'	Total/NA	Solid	8021B	20212
880-11730-7	FL-2 @ 5'	Total/NA	Solid	8021B	20212
MB 880-20212/5-A	Method Blank	Total/NA	Solid	8021B	20212
LCS 880-20212/1-A	Lab Control Sample	Total/NA	Solid	8021B	20212
LCSD 880-20212/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20212
890-2008-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	20212
890-2008-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20212

Analysis Batch: 20556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11730-1	ESW-1 @ 3'	Total/NA	Solid	Total BTEX	
880-11730-2	ESW-2 @ 2.5'	Total/NA	Solid	Total BTEX	
880-11730-3	SSW-1 @ 2'	Total/NA	Solid	Total BTEX	
880-11730-4	WSW-1 @ 3'	Total/NA	Solid	Total BTEX	
880-11730-5	WSW-2 @ 2.5'	Total/NA	Solid	Total BTEX	
880-11730-6	FL-1 @ 6'	Total/NA	Solid	Total BTEX	
880-11730-7	FL-2 @ 5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11730-1	ESW-1 @ 3'	Total/NA	Solid	8015B NM	20335
880-11730-2	ESW-2 @ 2.5'	Total/NA	Solid	8015B NM	20335
880-11730-3	SSW-1 @ 2'	Total/NA	Solid	8015B NM	20335
880-11730-4	WSW-1 @ 3'	Total/NA	Solid	8015B NM	20335
880-11730-5	WSW-2 @ 2.5'	Total/NA	Solid	8015B NM	20335
880-11730-6	FL-1 @ 6'	Total/NA	Solid	8015B NM	20335
880-11730-7	FL-2 @ 5'	Total/NA	Solid	8015B NM	20335
MB 880-20335/1-A	Method Blank	Total/NA	Solid	8015B NM	20335
LCS 880-20335/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20335
LCSD 880-20335/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20335
880-11731-A-1-G MS	Matrix Spike	Total/NA	Solid	8015B NM	20335
880-11731-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20335

Prep Batch: 20335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11730-1	ESW-1 @ 3'	Total/NA	Solid	8015NM Prep	
880-11730-2	ESW-2 @ 2.5'	Total/NA	Solid	8015NM Prep	
880-11730-3	SSW-1 @ 2'	Total/NA	Solid	8015NM Prep	
880-11730-4	WSW-1 @ 3'	Total/NA	Solid	8015NM Prep	
880-11730-5	WSW-2 @ 2.5'	Total/NA	Solid	8015NM Prep	
880-11730-6	FL-1 @ 6'	Total/NA	Solid	8015NM Prep	
880-11730-7	FL-2 @ 5'	Total/NA	Solid	8015NM Prep	
MB 880-20335/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20335/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20335/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

GC Semi VOA (Continued)

Prep Batch: 20335 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11731-A-1-G MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11731-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11730-1	ESW-1 @ 3'	Total/NA	Solid	8015 NM	
880-11730-2	ESW-2 @ 2.5'	Total/NA	Solid	8015 NM	
880-11730-3	SSW-1 @ 2'	Total/NA	Solid	8015 NM	
880-11730-4	WSW-1 @ 3'	Total/NA	Solid	8015 NM	
880-11730-5	WSW-2 @ 2.5'	Total/NA	Solid	8015 NM	
880-11730-6	FL-1 @ 6'	Total/NA	Solid	8015 NM	
880-11730-7	FL-2 @ 5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11730-1	ESW-1 @ 3'	Soluble	Solid	DI Leach	
880-11730-2	ESW-2 @ 2.5'	Soluble	Solid	DI Leach	
880-11730-3	SSW-1 @ 2'	Soluble	Solid	DI Leach	
880-11730-4	WSW-1 @ 3'	Soluble	Solid	DI Leach	
880-11730-5	WSW-2 @ 2.5'	Soluble	Solid	DI Leach	
880-11730-6	FL-1 @ 6'	Soluble	Solid	DI Leach	
880-11730-7	FL-2 @ 5'	Soluble	Solid	DI Leach	
MB 880-20402/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20402/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20402/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11730-1 MS	ESW-1 @ 3'	Soluble	Solid	DI Leach	
880-11730-1 MSD	ESW-1 @ 3'	Soluble	Solid	DI Leach	

Analysis Batch: 20412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11730-1	ESW-1 @ 3'	Soluble	Solid	300.0	20402
880-11730-2	ESW-2 @ 2.5'	Soluble	Solid	300.0	20402
880-11730-3	SSW-1 @ 2'	Soluble	Solid	300.0	20402
880-11730-4	WSW-1 @ 3'	Soluble	Solid	300.0	20402
880-11730-5	WSW-2 @ 2.5'	Soluble	Solid	300.0	20402
880-11730-6	FL-1 @ 6'	Soluble	Solid	300.0	20402
880-11730-7	FL-2 @ 5'	Soluble	Solid	300.0	20402
MB 880-20402/1-A	Method Blank	Soluble	Solid	300.0	20402
LCS 880-20402/2-A	Lab Control Sample	Soluble	Solid	300.0	20402
LCSD 880-20402/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20402
880-11730-1 MS	ESW-1 @ 3'	Soluble	Solid	300.0	20402
880-11730-1 MSD	ESW-1 @ 3'	Soluble	Solid	300.0	20402

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Client Sample ID: ESW-1 @ 3'

Lab Sample ID: 880-11730-1

Date Collected: 02/24/22 16:30

Matrix: Solid

Date Received: 02/25/22 12:48

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	20212	02/28/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	20399	02/28/22 11:26	KL	XEN MID
Total/NA	Prep	5035			5.01 g	5 mL	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	20288	02/27/22 11:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20556	02/28/22 18:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20506	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 05:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20402	02/25/22 17:00	CH	XEN MID
Soluble	Analysis	300.0		20			20412	02/27/22 22:29	CH	XEN MID

Client Sample ID: ESW-2 @ 2.5'

Lab Sample ID: 880-11730-2

Date Collected: 02/24/22 16:35

Matrix: Solid

Date Received: 02/25/22 12:48

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	20212	02/28/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	20399	02/28/22 11:47	KL	XEN MID
Total/NA	Prep	5035			4.98 g	5 mL	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	20288	02/27/22 11:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20556	02/28/22 18:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20506	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 06:13	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20402	02/25/22 17:00	CH	XEN MID
Soluble	Analysis	300.0		20			20412	02/27/22 22:56	CH	XEN MID

Client Sample ID: SSW-1 @ 2'

Lab Sample ID: 880-11730-3

Date Collected: 02/24/22 16:40

Matrix: Solid

Date Received: 02/25/22 12:48

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	20212	02/28/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	20399	02/28/22 12:08	KL	XEN MID
Total/NA	Prep	5035			4.99 g	5 mL	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	20288	02/27/22 11:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20556	02/28/22 18:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20506	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 06:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	20402	02/25/22 17:00	CH	XEN MID
Soluble	Analysis	300.0		10			20412	02/27/22 23:05	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Client Sample ID: WSW-1 @ 3'

Lab Sample ID: 880-11730-4

Date Collected: 02/24/22 16:45

Matrix: Solid

Date Received: 02/25/22 12:48

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	20212	02/28/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	20399	02/28/22 12:29	KL	XEN MID
Total/NA	Prep	5035			4.99 g	5 mL	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	20288	02/27/22 12:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20556	02/28/22 18:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20506	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 06:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	20402	02/25/22 17:00	CH	XEN MID
Soluble	Analysis	300.0		10			20412	02/27/22 23:14	CH	XEN MID

Client Sample ID: WSW-2 @ 2.5'

Lab Sample ID: 880-11730-5

Date Collected: 02/24/22 16:50

Matrix: Solid

Date Received: 02/25/22 12:48

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	20212	02/28/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	20399	02/28/22 12:49	KL	XEN MID
Total/NA	Prep	5035			5.03 g	5 mL	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	20288	02/27/22 12:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20556	02/28/22 18:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20506	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 07:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20402	02/25/22 17:00	CH	XEN MID
Soluble	Analysis	300.0		20			20412	02/27/22 23:23	CH	XEN MID

Client Sample ID: FL-1 @ 6'

Lab Sample ID: 880-11730-6

Date Collected: 02/24/22 16:55

Matrix: Solid

Date Received: 02/25/22 12:48

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	20212	02/28/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	20399	02/28/22 13:10	KL	XEN MID
Total/NA	Prep	5035			5.01 g	5 mL	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	20288	02/27/22 12:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20556	02/28/22 18:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20506	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 07:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20402	02/25/22 17:00	CH	XEN MID
Soluble	Analysis	300.0		20			20412	02/27/22 23:50	CH	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Client Sample ID: FL-2 @ 5'

Lab Sample ID: 880-11730-7

Date Collected: 02/24/22 17:00

Matrix: Solid

Date Received: 02/25/22 12:48

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	20212	02/28/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		20	5 mL	5 mL	20399	02/28/22 13:31	KL	XEN MID
Total/NA	Prep	5035			4.96 g	5 mL	20320	02/25/22 13:38	KL	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	20288	02/27/22 13:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20556	02/28/22 19:17	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20506	02/28/22 13:11	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20335	02/25/22 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20308	02/26/22 07:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	20402	02/25/22 17:00	CH	XEN MID
Soluble	Analysis	300.0		10			20412	02/27/22 23:58	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, 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	T104704400-21-22	06-30-22
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031 LS

Job ID: 880-11730-1
SDG: Lea County, New Mexico

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11730-1	ESW-1 @ 3'	Solid	02/24/22 16:30	02/25/22 12:48
880-11730-2	ESW-2 @ 2.5'	Solid	02/24/22 16:35	02/25/22 12:48
880-11730-3	SSW-1 @ 2'	Solid	02/24/22 16:40	02/25/22 12:48
880-11730-4	WSW-1 @ 3'	Solid	02/24/22 16:45	02/25/22 12:48
880-11730-5	WSW-2 @ 2.5'	Solid	02/24/22 16:50	02/25/22 12:48
880-11730-6	FL-1 @ 6'	Solid	02/24/22 16:55	02/25/22 12:48
880-11730-7	FL-2 @ 5'	Solid	02/24/22 17:00	02/25/22 12:48

The Environmental Lab of Texas



880-11730 Chain of Custody

CHAIN OF CUSTODY
12600 West I-20 East
Odessa, Texas 79765

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Phone: 432-563-1800
Fax: 432-563-1713

Project Manager: Jared Stoffel

Project Name: EPNG 3031 LS

Company Name TRC Companies, Inc

Project #: 483592.0000.0000

Company Address: 10 Desta Drive, Suite 130E

Project Loc: Lea County, New Mexico

City/State/Zip: Midland, TX 79703

PO#

Telephone No: 432.580.7720

Fax No: 432.520.7701

Report Format: ☒ Standard ☐ TRRP ☐ NPDES

Sampler Signature: [Signature] FOR Scott Stanley

e-mail: istoffel@trccompanies.com
alen.thompson@kindermorgan.com

(lab use only)

ORDER #: 1178

[illegible]

Special Instructions:

Bill to Glen Thompson @ Kinder Morgan

Relinquished by

Reinhold Schneider

Relinquished by

Laboratory Comments

**Sample Containers Matter:
VOCs Free of Headspace?**

Labels on container(s) _____
Custody seal on container(s) _____

Custody seals on cooler(s)

by Sampler/Client Rep. ?

by Courier?	UPS	DHL
Yes	1	1
No	1	1

Temperature Upon Receipt: _____

Temperature Upon Receipt: 3.3 / 3.2 °C

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11730-1

SDG Number: Lea County, New Mexico

Login Number: 11730**List Number: 1****List Source: Eurofins Midland****Creator: Rodriguez, Leticia**

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11790-1
Client Project/Site: KMEPNG 3031

For:

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

Attn: Jennifer Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/2/2022 4:27:30 PM

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

LINKS

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results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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

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

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Laboratory Job ID: 880-11790-1

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Eurofins Midland

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

Job ID: 880-11790-1

Laboratory: Eurofins Midland

Narrative	
	Job Narrative 880-11790-1

Receipt

The samples were received on 2/28/2022 5:06 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 13.5°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The method blank for preparation batch 880-20541 and analytical batch 880-20405 contained Diesel Range Organics (Over C10-C28) and Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC

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

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

Client Sample ID: NSW-1

Lab Sample ID: 880-11790-1

Date Collected: 02/28/22 11:00

Matrix: Solid

Date Received: 02/28/22 17:06

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000382	U	0.00198	0.000382 mg/Kg		03/01/22 10:00	03/02/22 06:05	1
Toluene	0.000627	J	0.00198	0.000452 mg/Kg		03/01/22 10:00	03/02/22 06:05	1
Ethylbenzene	<0.000561	U	0.00198	0.000561 mg/Kg		03/01/22 10:00	03/02/22 06:05	1
m-Xylene & p-Xylene	<0.00100	U	0.00397	0.00100 mg/Kg		03/01/22 10:00	03/02/22 06:05	1
o-Xylene	<0.000341	U	0.00198	0.000341 mg/Kg		03/01/22 10:00	03/02/22 06:05	1
Xylenes, Total	<0.00100	U	0.00397	0.00100 mg/Kg		03/01/22 10:00	03/02/22 06:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	03/01/22 10:00	03/02/22 06:05	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/01/22 10:00	03/02/22 06:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00397	0.00100 mg/Kg			03/02/22 10:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	66.9		49.8	14.9 mg/Kg			03/01/22 09:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.0	J B	49.8	14.9 mg/Kg		02/28/22 17:25	03/01/22 03:44	1
Diesel Range Organics (Over C10-C28)	43.9	J B	49.8	14.9 mg/Kg		02/28/22 17:25	03/01/22 03:44	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9 mg/Kg		02/28/22 17:25	03/01/22 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	02/28/22 17:25	03/01/22 03:44	1
o-Terphenyl	112		70 - 130	02/28/22 17:25	03/01/22 03:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	626		5.00	0.858 mg/Kg			02/28/22 23:48	1

Client Sample ID: WSW-1A

Lab Sample ID: 880-11790-2

Date Collected: 02/28/22 11:15

Matrix: Solid

Date Received: 02/28/22 17:06

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383 mg/Kg		03/01/22 10:00	03/02/22 06:26	1
Toluene	0.000512	J	0.00199	0.000454 mg/Kg		03/01/22 10:00	03/02/22 06:26	1
Ethylbenzene	<0.000563	U	0.00199	0.000563 mg/Kg		03/01/22 10:00	03/02/22 06:26	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101 mg/Kg		03/01/22 10:00	03/02/22 06:26	1
o-Xylene	<0.000343	U	0.00199	0.000343 mg/Kg		03/01/22 10:00	03/02/22 06:26	1
Xylenes, Total	<0.00101	U	0.00398	0.00101 mg/Kg		03/01/22 10:00	03/02/22 06:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/01/22 10:00	03/02/22 06:26	1
1,4-Difluorobenzene (Surr)	98		70 - 130	03/01/22 10:00	03/02/22 06:26	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

Client Sample ID: WSW-1A

Lab Sample ID: 880-11790-2

Date Collected: 02/28/22 11:15

Matrix: Solid

Date Received: 02/28/22 17:06

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101 mg/Kg			03/02/22 10:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	64.9		49.9	15.0 mg/Kg			03/01/22 09:50	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.7	J B	49.9	15.0 mg/Kg		02/28/22 17:25	03/01/22 04:05	1
Diesel Range Organics (Over C10-C28)	44.2	J B	49.9	15.0 mg/Kg		02/28/22 17:25	03/01/22 04:05	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0 mg/Kg		02/28/22 17:25	03/01/22 04:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			02/28/22 17:25	03/01/22 04:05	1
o-Terphenyl	105		70 - 130			02/28/22 17:25	03/01/22 04:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	592		5.00	0.858 mg/Kg			02/28/22 23:56	1

Eurofins Midland

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-11790-1	NSW-1	103	98
880-11790-2	WSW-1A	104	98
890-1991-A-1-E MS	Matrix Spike	101	101
890-1991-A-1-F MSD	Matrix Spike Duplicate	101	100
LCS 880-20516/1-A	Lab Control Sample	100	100
LCSD 880-20516/2-A	Lab Control Sample Dup	98	100
MB 880-20516/5-A	Method Blank	98	94
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-11774-A-1-E MS	Matrix Spike	106	105
880-11774-A-1-F MSD	Matrix Spike Duplicate	101	91
880-11790-1	NSW-1	112	112
880-11790-2	WSW-1A	110	105
LCS 880-20541/2-A	Lab Control Sample	115	118
LCSD 880-20541/3-A	Lab Control Sample Dup	127	121
MB 880-20541/1-A	Method Blank	127	125
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20516/5-A

Matrix: Solid

Analysis Batch: 20576

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20516

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385 mg/Kg		03/01/22 10:00	03/01/22 22:30	1
Toluene	<0.000456	U	0.00200	0.000456 mg/Kg		03/01/22 10:00	03/01/22 22:30	1
Ethylbenzene	<0.000565	U	0.00200	0.000565 mg/Kg		03/01/22 10:00	03/01/22 22:30	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101 mg/Kg		03/01/22 10:00	03/01/22 22:30	1
o-Xylene	<0.000344	U	0.00200	0.000344 mg/Kg		03/01/22 10:00	03/01/22 22:30	1
Xylenes, Total	<0.00101	U	0.00400	0.00101 mg/Kg		03/01/22 10:00	03/01/22 22:30	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	03/01/22 10:00	03/01/22 22:30	1
1,4-Difluorobenzene (Surr)	94		70 - 130	03/01/22 10:00	03/01/22 22:30	1

Lab Sample ID: LCS 880-20516/1-A

Matrix: Solid

Analysis Batch: 20576

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20516

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09841		mg/Kg		98	70 - 130
Toluene	0.100	0.09691		mg/Kg		97	70 - 130
Ethylbenzene	0.100	0.09431		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	0.200	0.1938		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09516		mg/Kg		95	70 - 130

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

Lab Sample ID: LCSD 880-20516/2-A

Matrix: Solid

Analysis Batch: 20576

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20516

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09840		mg/Kg		98	70 - 130	0	35
Toluene	0.100	0.09502		mg/Kg		95	70 - 130	2	35
Ethylbenzene	0.100	0.09401		mg/Kg		94	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1928		mg/Kg		96	70 - 130	1	35
o-Xylene	0.100	0.09419		mg/Kg		94	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-1991-A-1-E MS

Matrix: Solid

Analysis Batch: 20576

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20516

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.000381	U	0.100	0.08390		mg/Kg		84	70 - 130
Toluene	0.000697	J	0.100	0.07892		mg/Kg		78	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

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

Lab Sample ID: 890-1991-A-1-E MS

Matrix: Solid

Analysis Batch: 20576

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20516

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.000820	J	0.100	0.07572		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	0.00149	J	0.200	0.1593		mg/Kg		79	70 - 130
o-Xylene	0.000600	J	0.100	0.08156		mg/Kg		81	70 - 130

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

Lab Sample ID: 890-1991-A-1-F MSD

Matrix: Solid

Analysis Batch: 20576

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20516

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.000381	U	0.0992	0.08432		mg/Kg		85	70 - 130	1	35
Toluene	0.000697	J	0.0992	0.07784		mg/Kg		78	70 - 130	1	35
Ethylbenzene	0.000820	J	0.0992	0.07441		mg/Kg		74	70 - 130	2	35
m-Xylene & p-Xylene	0.00149	J	0.198	0.1563		mg/Kg		78	70 - 130	2	35
o-Xylene	0.000600	J	0.0992	0.08027		mg/Kg		80	70 - 130	2	35

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

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

Lab Sample ID: MB 880-20541/1-A

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20541

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	21.58	J	50.0	15.0 mg/Kg		02/28/22 16:41	02/28/22 23:19	1
Diesel Range Organics (Over C10-C28)	17.20	J	50.0	15.0 mg/Kg		02/28/22 16:41	02/28/22 23:19	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0 mg/Kg		02/28/22 16:41	02/28/22 23:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	127		70 - 130	02/28/22 16:41	02/28/22 23:19	1
o-Terphenyl	125		70 - 130	02/28/22 16:41	02/28/22 23:19	1

Lab Sample ID: LCS 880-20541/2-A

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20541

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1115		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)	1000	958.8		mg/Kg		96	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

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

Lab Sample ID: LCS 880-20541/2-A

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20541

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-20541/3-A

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20541

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1159		mg/Kg		116	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	997.6		mg/Kg		100	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: 880-11774-A-1-E MS

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20541

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	22.1	J B	1000	1167		mg/Kg		114	70 - 130		
Diesel Range Organics (Over C10-C28)	<15.0	U	1000	965.6		mg/Kg		97	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 880-11774-A-1-F MSD

Matrix: Solid

Analysis Batch: 20405

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20541

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	22.1	J B	998	1094		mg/Kg		107	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<15.0	U	998	937.8		mg/Kg		94	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	91		70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20486/1-A

Matrix: Solid

Analysis Batch: 20554

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858 mg/Kg			02/28/22 19:57	1

Lab Sample ID: LCS 880-20486/2-A

Matrix: Solid

Analysis Batch: 20554

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	242.6		mg/Kg		97	90 - 110

Lab Sample ID: LCSD 880-20486/3-A

Matrix: Solid

Analysis Batch: 20554

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	242.6		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 880-11774-A-3-D MS

Matrix: Solid

Analysis Batch: 20554

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	3.67	J	248	248.0		mg/Kg		99	90 - 110

Lab Sample ID: 880-11774-A-3-E MSD

Matrix: Solid

Analysis Batch: 20554

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3.67	J	248	248.5		mg/Kg		99	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

GC VOA

Prep Batch: 20516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11790-1	NSW-1	Total/NA	Solid	5035	
880-11790-2	WSW-1A	Total/NA	Solid	5035	
MB 880-20516/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20516/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20516/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1991-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-1991-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11790-1	NSW-1	Total/NA	Solid	8021B	20516
880-11790-2	WSW-1A	Total/NA	Solid	8021B	20516
MB 880-20516/5-A	Method Blank	Total/NA	Solid	8021B	20516
LCS 880-20516/1-A	Lab Control Sample	Total/NA	Solid	8021B	20516
LCSD 880-20516/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20516
890-1991-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	20516
890-1991-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20516

Analysis Batch: 20679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11790-1	NSW-1	Total/NA	Solid	Total BTEX	
880-11790-2	WSW-1A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11790-1	NSW-1	Total/NA	Solid	8015B NM	20541
880-11790-2	WSW-1A	Total/NA	Solid	8015B NM	20541
MB 880-20541/1-A	Method Blank	Total/NA	Solid	8015B NM	20541
LCS 880-20541/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20541
LCSD 880-20541/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20541
880-11774-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	20541
880-11774-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20541

Prep Batch: 20541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11790-1	NSW-1	Total/NA	Solid	8015NM Prep	
880-11790-2	WSW-1A	Total/NA	Solid	8015NM Prep	
MB 880-20541/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20541/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20541/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11774-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11774-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11790-1	NSW-1	Total/NA	Solid	8015 NM	
880-11790-2	WSW-1A	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

HPLC/IC

Leach Batch: 20486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11790-1	NSW-1	Soluble	Solid	DI Leach	
880-11790-2	WSW-1A	Soluble	Solid	DI Leach	
MB 880-20486/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20486/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20486/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11774-A-3-D MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11774-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 20554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11790-1	NSW-1	Soluble	Solid	300.0	20486
880-11790-2	WSW-1A	Soluble	Solid	300.0	20486
MB 880-20486/1-A	Method Blank	Soluble	Solid	300.0	20486
LCS 880-20486/2-A	Lab Control Sample	Soluble	Solid	300.0	20486
LCSD 880-20486/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20486
880-11774-A-3-D MS	Matrix Spike	Soluble	Solid	300.0	20486
880-11774-A-3-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	20486

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

Client Sample ID: NSW-1

Lab Sample ID: 880-11790-1

Date Collected: 02/28/22 11:00

Matrix: Solid

Date Received: 02/28/22 17:06

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	20516	03/01/22 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20576	03/02/22 06:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20679	03/02/22 10:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20595	03/01/22 09:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	20541	02/28/22 17:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20405	03/01/22 03:44	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20486	02/28/22 17:18	SC	XEN MID
Soluble	Analysis	300.0		1			20554	02/28/22 23:48	SC	XEN MID

Client Sample ID: WSW-1A

Lab Sample ID: 880-11790-2

Date Collected: 02/28/22 11:15

Matrix: Solid

Date Received: 02/28/22 17:06

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	20516	03/01/22 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20576	03/02/22 06:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20679	03/02/22 10:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20595	03/01/22 09:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20541	02/28/22 17:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20405	03/01/22 04:05	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20486	02/28/22 17:18	SC	XEN MID
Soluble	Analysis	300.0		1			20554	02/28/22 23:56	SC	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: KMEPNG 3031

Job ID: 880-11790-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11790-1	NSW-1	Solid	02/28/22 11:00	02/28/22 17:06
880-11790-2	WSW-1A	Solid	02/28/22 11:15	02/28/22 17:06

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



Environment Testing

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

Chain of Custody

Work Order No: 11798

Project Manager:	Jared Staffel	Bill to (if different)	Glen Thompson
Company Name:	TRC Companies	Company Name:	Kinder Morgan
Address:	10 Destra Dr. #130E	Address:	
City, State ZIP:	Midland TX. 79705	City, State ZIP:	#(432) 413-7844
Phone:	(432) 338-3003	Email:	Glen.Thompson@kindermorgan.com

Work Order Comments					
Program:	UST/PS*	PRP	Brownfields	RRC	Superfund
State of Project:					
Reporting Level	Level II	Level III	PS*/UST	TRRP	Level IV
Deliverables	EDD	Adapt		Other	

[illegible]

880-11790 Chain of Custody

Total 200.7 / 6010	2008 / 6020:	8RCRA 13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO 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 / 2451 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Matthew Lawrence</i>	<i>Steve</i>	2/28/22			
		17:00			

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11790-1

Login Number: 11790

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11911-1
Client Project/Site: KM EPNG 3031

For:

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/3/2022 5:32:14 PM

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

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

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

Client: TRC Solutions, Inc.
Project/Site: KM EPNG 3031

Laboratory Job ID: 880-11911-1

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: KM EPNG 3031

Job ID: 880-11911-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Eurofins Midland

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: KM EPNG 3031

Job ID: 880-11911-1

Job ID: 880-11911-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-11911-1****Receipt**

The samples were received on 3/2/2022 8:52 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C

GC VOA

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

GC Semi VOA

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-20709 and analytical batch 880-20727 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: KM EPNG 3031

Job ID: 880-11911-1

Client Sample ID: ESW-1A

Lab Sample ID: 880-11911-1

Date Collected: 03/01/22 17:00

Matrix: Solid

Date Received: 03/02/22 08:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386 mg/Kg		03/03/22 12:00	03/03/22 16:34	1
Toluene	0.000470	J	0.00200	0.000457 mg/Kg		03/03/22 12:00	03/03/22 16:34	1
Ethylbenzene	<0.000566	U	0.00200	0.000566 mg/Kg		03/03/22 12:00	03/03/22 16:34	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101 mg/Kg		03/03/22 12:00	03/03/22 16:34	1
o-Xylene	<0.000345	U	0.00200	0.000345 mg/Kg		03/03/22 12:00	03/03/22 16:34	1
Xylenes, Total	<0.00101	U	0.00401	0.00101 mg/Kg		03/03/22 12:00	03/03/22 16:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			03/03/22 12:00	03/03/22 16:34	1
1,4-Difluorobenzene (Surr)	100		70 - 130			03/03/22 12:00	03/03/22 16:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101 mg/Kg			03/03/22 18:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	56.5		50.0	15.0 mg/Kg			03/03/22 10:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0 mg/Kg		03/02/22 15:27	03/03/22 04:17	1
Diesel Range Organics (Over C10-C28)	56.5		50.0	15.0 mg/Kg		03/02/22 15:27	03/03/22 04:17	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0 mg/Kg		03/02/22 15:27	03/03/22 04:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130			03/02/22 15:27	03/03/22 04:17	1
o-Terphenyl	117		70 - 130			03/02/22 15:27	03/03/22 04:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	855	F1	25.2	4.33 mg/Kg			03/02/22 20:19	5

Client Sample ID: ESW-2A

Lab Sample ID: 880-11911-2

Date Collected: 03/01/22 17:05

Matrix: Solid

Date Received: 03/02/22 08:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387 mg/Kg		03/03/22 12:00	03/03/22 16:54	1
Toluene	<0.000459	U	0.00201	0.000459 mg/Kg		03/03/22 12:00	03/03/22 16:54	1
Ethylbenzene	<0.000568	U	0.00201	0.000568 mg/Kg		03/03/22 12:00	03/03/22 16:54	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102 mg/Kg		03/03/22 12:00	03/03/22 16:54	1
o-Xylene	<0.000346	U	0.00201	0.000346 mg/Kg		03/03/22 12:00	03/03/22 16:54	1
Xylenes, Total	<0.00102	U	0.00402	0.00102 mg/Kg		03/03/22 12:00	03/03/22 16:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			03/03/22 12:00	03/03/22 16:54	1
1,4-Difluorobenzene (Surr)	101		70 - 130			03/03/22 12:00	03/03/22 16:54	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: KM EPNG 3031

Job ID: 880-11911-1

Client Sample ID: ESW-2A

Lab Sample ID: 880-11911-2

Date Collected: 03/01/22 17:05

Matrix: Solid

Date Received: 03/02/22 08:52

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102 mg/Kg			03/03/22 18:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	89.5		50.0	15.0 mg/Kg			03/03/22 10:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.7	J	50.0	15.0 mg/Kg		03/02/22 15:27	03/03/22 04:38	1
Diesel Range Organics (Over C10-C28)	72.8		50.0	15.0 mg/Kg		03/02/22 15:27	03/03/22 04:38	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0 mg/Kg		03/02/22 15:27	03/03/22 04:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	122		70 - 130			03/02/22 15:27	03/03/22 04:38	1
o-Terphenyl	118		70 - 130			03/02/22 15:27	03/03/22 04:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	626		4.98	0.855 mg/Kg			03/02/22 20:45	1

Client Sample ID: WSW-2A

Lab Sample ID: 880-11911-3

Date Collected: 03/01/22 17:30

Matrix: Solid

Date Received: 03/02/22 08:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387 mg/Kg		03/03/22 12:00	03/03/22 17:15	1
Toluene	<0.000458	U	0.00201	0.000458 mg/Kg		03/03/22 12:00	03/03/22 17:15	1
Ethylbenzene	<0.000567	U	0.00201	0.000567 mg/Kg		03/03/22 12:00	03/03/22 17:15	1
m-Xylene & p-Xylene	<0.00101	U	0.00402	0.00101 mg/Kg		03/03/22 12:00	03/03/22 17:15	1
o-Xylene	<0.000345	U	0.00201	0.000345 mg/Kg		03/03/22 12:00	03/03/22 17:15	1
Xylenes, Total	<0.00101	U	0.00402	0.00101 mg/Kg		03/03/22 12:00	03/03/22 17:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			03/03/22 12:00	03/03/22 17:15	1
1,4-Difluorobenzene (Surr)	90		70 - 130			03/03/22 12:00	03/03/22 17:15	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00402	0.00101 mg/Kg			03/03/22 18:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	78.6		49.9	15.0 mg/Kg			03/03/22 10:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	23.9	J	49.9	15.0 mg/Kg		03/02/22 15:27	03/03/22 04:58	1
Diesel Range Organics (Over C10-C28)	54.7		49.9	15.0 mg/Kg		03/02/22 15:27	03/03/22 04:58	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: KM EPNG 3031

Job ID: 880-11911-1

Client Sample ID: WSW-2A

Lab Sample ID: 880-11911-3

Date Collected: 03/01/22 17:30

Matrix: Solid

Date Received: 03/02/22 08:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0 mg/Kg		03/02/22 15:27	03/03/22 04:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130			03/02/22 15:27	03/03/22 04:58	1
o-Terphenyl	117		70 - 130			03/02/22 15:27	03/03/22 04:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	947		24.8	4.25 mg/Kg			03/02/22 20:54	5

Client Sample ID: SSW-1A

Lab Sample ID: 880-11911-4

Date Collected: 03/01/22 18:15

Matrix: Solid

Date Received: 03/02/22 08:52

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383 mg/Kg		03/03/22 12:00	03/03/22 17:35	1
Toluene	0.000513	J	0.00199	0.000453 mg/Kg		03/03/22 12:00	03/03/22 17:35	1
Ethylbenzene	<0.000562	U	0.00199	0.000562 mg/Kg		03/03/22 12:00	03/03/22 17:35	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100 mg/Kg		03/03/22 12:00	03/03/22 17:35	1
o-Xylene	0.000374	J	0.00199	0.000342 mg/Kg		03/03/22 12:00	03/03/22 17:35	1
Xylenes, Total	<0.00100	U	0.00398	0.00100 mg/Kg		03/03/22 12:00	03/03/22 17:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			03/03/22 12:00	03/03/22 17:35	1
1,4-Difluorobenzene (Surr)	95		70 - 130			03/03/22 12:00	03/03/22 17:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100 mg/Kg			03/03/22 18:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	69.8		49.9	15.0 mg/Kg			03/03/22 10:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.5	J	49.9	15.0 mg/Kg		03/02/22 15:27	03/03/22 05:18	1
Diesel Range Organics (Over C10-C28)	51.3		49.9	15.0 mg/Kg		03/02/22 15:27	03/03/22 05:18	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0 mg/Kg		03/02/22 15:27	03/03/22 05:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130			03/02/22 15:27	03/03/22 05:18	1
o-Terphenyl	117		70 - 130			03/02/22 15:27	03/03/22 05:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1810		25.0	4.29 mg/Kg			03/02/22 21:03	5

Eurofins Midland

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: KM EPNG 3031

Job ID: 880-11911-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-11911-1	ESW-1A	105	100
880-11911-2	ESW-2A	109	101
880-11911-3	WSW-2A	105	90
880-11911-4	SSW-1A	109	95
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-11911-1	ESW-1A	117	117
880-11911-2	ESW-2A	122	118
880-11911-3	WSW-2A	118	117
880-11911-4	SSW-1A	119	117
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: KM EPNG 3031

Job ID: 880-11911-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20709/1-A

Matrix: Solid

Analysis Batch: 20727

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858 mg/Kg			03/02/22 19:52	1

Lab Sample ID: LCS 880-20709/2-A

Matrix: Solid

Analysis Batch: 20727

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	252.7		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-20709/3-A

Matrix: Solid

Analysis Batch: 20727

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	256.1		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 880-11911-1 MS

Matrix: Solid

Analysis Batch: 20727

Client Sample ID: ESW-1A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	855	F1	1260	2240		mg/Kg		110	90 - 110

Lab Sample ID: 880-11911-1 MSD

Matrix: Solid

Analysis Batch: 20727

Client Sample ID: ESW-1A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	855	F1	1260	2298	F1	mg/Kg		115	90 - 110	3	20

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QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: KM EPNG 3031

Job ID: 880-11911-1

GC VOA

Prep Batch: 20667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11911-1	ESW-1A	Total/NA	Solid	5035	
880-11911-2	ESW-2A	Total/NA	Solid	5035	
880-11911-3	WSW-2A	Total/NA	Solid	5035	
880-11911-4	SSW-1A	Total/NA	Solid	5035	

Analysis Batch: 20750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11911-1	ESW-1A	Total/NA	Solid	8021B	20667
880-11911-2	ESW-2A	Total/NA	Solid	8021B	20667
880-11911-3	WSW-2A	Total/NA	Solid	8021B	20667
880-11911-4	SSW-1A	Total/NA	Solid	8021B	20667

Analysis Batch: 20848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11911-1	ESW-1A	Total/NA	Solid	Total BTEX	
880-11911-2	ESW-2A	Total/NA	Solid	Total BTEX	
880-11911-3	WSW-2A	Total/NA	Solid	Total BTEX	
880-11911-4	SSW-1A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11911-1	ESW-1A	Total/NA	Solid	8015B NM	20708
880-11911-2	ESW-2A	Total/NA	Solid	8015B NM	20708
880-11911-3	WSW-2A	Total/NA	Solid	8015B NM	20708
880-11911-4	SSW-1A	Total/NA	Solid	8015B NM	20708

Prep Batch: 20708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11911-1	ESW-1A	Total/NA	Solid	8015NM Prep	
880-11911-2	ESW-2A	Total/NA	Solid	8015NM Prep	
880-11911-3	WSW-2A	Total/NA	Solid	8015NM Prep	
880-11911-4	SSW-1A	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11911-1	ESW-1A	Total/NA	Solid	8015 NM	
880-11911-2	ESW-2A	Total/NA	Solid	8015 NM	
880-11911-3	WSW-2A	Total/NA	Solid	8015 NM	
880-11911-4	SSW-1A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11911-1	ESW-1A	Soluble	Solid	DI Leach	
880-11911-2	ESW-2A	Soluble	Solid	DI Leach	
880-11911-3	WSW-2A	Soluble	Solid	DI Leach	
880-11911-4	SSW-1A	Soluble	Solid	DI Leach	
MB 880-20709/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20709/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: KM EPNG 3031

Job ID: 880-11911-1

HPLC/IC (Continued)

Leach Batch: 20709 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-20709/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11911-1 MS	ESW-1A	Soluble	Solid	DI Leach	
880-11911-1 MSD	ESW-1A	Soluble	Solid	DI Leach	

Analysis Batch: 20727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11911-1	ESW-1A	Soluble	Solid	300.0	20709
880-11911-2	ESW-2A	Soluble	Solid	300.0	20709
880-11911-3	WSW-2A	Soluble	Solid	300.0	20709
880-11911-4	SSW-1A	Soluble	Solid	300.0	20709
MB 880-20709/1-A	Method Blank	Soluble	Solid	300.0	20709
LCS 880-20709/2-A	Lab Control Sample	Soluble	Solid	300.0	20709
LCSD 880-20709/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20709
880-11911-1 MS	ESW-1A	Soluble	Solid	300.0	20709
880-11911-1 MSD	ESW-1A	Soluble	Solid	300.0	20709

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: KM EPNG 3031

Job ID: 880-11911-1

Client Sample ID: ESW-1A

Lab Sample ID: 880-11911-1

Date Collected: 03/01/22 17:00

Matrix: Solid

Date Received: 03/02/22 08:52

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	20667	03/03/22 12:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20750	03/03/22 16:34	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20848	03/03/22 18:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20789	03/03/22 10:04	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20708	03/02/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20652	03/03/22 04:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	20709	03/02/22 15:44	SC	XEN MID
Soluble	Analysis	300.0		5			20727	03/02/22 20:19	CH	XEN MID

Client Sample ID: ESW-2A

Lab Sample ID: 880-11911-2

Date Collected: 03/01/22 17:05

Matrix: Solid

Date Received: 03/02/22 08:52

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	20667	03/03/22 12:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20750	03/03/22 16:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20848	03/03/22 18:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20789	03/03/22 10:04	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20708	03/02/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20652	03/03/22 04:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20709	03/02/22 15:44	SC	XEN MID
Soluble	Analysis	300.0		1			20727	03/02/22 20:45	CH	XEN MID

Client Sample ID: WSW-2A

Lab Sample ID: 880-11911-3

Date Collected: 03/01/22 17:30

Matrix: Solid

Date Received: 03/02/22 08:52

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	20667	03/03/22 12:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20750	03/03/22 17:15	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20848	03/03/22 18:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20789	03/03/22 10:04	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20708	03/02/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20652	03/03/22 04:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20709	03/02/22 15:44	SC	XEN MID
Soluble	Analysis	300.0		5			20727	03/02/22 20:54	CH	XEN MID

Client Sample ID: SSW-1A

Lab Sample ID: 880-11911-4

Date Collected: 03/01/22 18:15

Matrix: Solid

Date Received: 03/02/22 08:52

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	20667	03/03/22 12:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20750	03/03/22 17:35	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20848	03/03/22 18:25	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: KM EPNG 3031

Job ID: 880-11911-1

Client Sample ID: SSW-1A

Lab Sample ID: 880-11911-4

Date Collected: 03/01/22 18:15

Matrix: Solid

Date Received: 03/02/22 08:52

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			20789	03/03/22 10:04	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20708	03/02/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20652	03/03/22 05:18	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20709	03/02/22 15:44	SC	XEN MID
Soluble	Analysis	300.0		5			20727	03/02/22 21:03	CH	XEN MID

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: KM EPNG 3031

Job ID: 880-11911-1

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: TRC Solutions, Inc.
Project/Site: KM EPNG 3031

Job ID: 880-11911-1

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: KM EPNG 3031

Job ID: 880-11911-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-11911-1	ESW-1A	Solid	03/01/22 17:00	03/02/22 08:52
880-11911-2	ESW-2A	Solid	03/01/22 17:05	03/02/22 08:52
880-11911-3	WSW-2A	Solid	03/01/22 17:30	03/02/22 08:52
880-11911-4	SSW-1A	Solid	03/01/22 18:15	03/02/22 08:52

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Environment Testing Xenco

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

Chain of Custody



880-11911 Chain of Custody

www.xenco.com Page 1 of 1

Project Manager	Jared Steffel	Bill to: (if different)	Chad Thompson
Company Name	IRE Companies	Company Name	Kemper Morgan
Address	10 Delta Drive #1306	Address	
City, State ZIP	Midland TX 79705	City, State ZIP	432, 437844
Phone	432, 238, 3003	Email	Chad.Thompson@kempermorgan.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: EDO ☐ ADAPT ☐ Other:	

Project Name	KM EPN 43031	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number		Due Date:			
Project Location	12-5500 Seagrass	TAT starts the day received by the lab, if received by 4:30pm			
Sample's Name:					
PO #					
SAMPLE RECEIPT		Temp Blank:	Yes ☒ No ☐	Wet Ice:	Yes ☒ No ☐
Samples Received Inact:	Yes ☒ No ☐	Thermometer ID:			
Cooler Custody Seals:	Yes ☒ No ☐	Correction Factor:			
Sample Custody Seals	Yes ☒ No ☐	Temperature Reading			
Total Containers:		Corrected Temperature:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grav/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
ESW-14	S	1/14/22	1700	-	6000	1	BTEX		None NO	DI Water, H ₂ O
ESW-24			1705	-		1	TPH		Cool Cool	MeOH Me
MSW-24			1730	-		1	Chloride		HCL HC	HNO ₃ HN
SSW-14			1815	-		1			H ₂ SO ₄ H ₂	NaOH Na
									H ₃ PO ₄ HP	
									NaHSO ₄ NABIS	
									Na ₂ S ₂ O ₃ NaSO ₃	
									Zn Acetate+NaOH Zn	
									NaOH+Ascorbic Acid SAPC	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SIO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg 1631 / 2451 / 7470 / 7471

Note: 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

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-11911-1

Login Number: 11911

List Source: Eurofins Midland

List Number: 1

Creator: Teel, Brianna

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-12586-1
Client Project/Site: EPNG 3031

For:

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/21/2022 2:37:17 PM

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

LINKS

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

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

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Laboratory Job ID: 880-12586-1

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12586-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12586-1

Job ID: 880-12586-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-12586-1****Receipt**

The sample was received on 3/18/2022 11:21 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-21847 and analytical batch 880-21941 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12586-1

Client Sample ID: SSW-1B @ 2'

Lab Sample ID: 880-12586-1

Date Collected: 03/17/22 13:00

Matrix: Solid

Date Received: 03/18/22 11:21

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381 mg/Kg		03/21/22 07:44	03/21/22 11:41	1
Toluene	<0.000451	U	0.00198	0.000451 mg/Kg		03/21/22 07:44	03/21/22 11:41	1
Ethylbenzene	<0.000559	U	0.00198	0.000559 mg/Kg		03/21/22 07:44	03/21/22 11:41	1
m-Xylene & p-Xylene	<0.00100	U	0.00396	0.00100 mg/Kg		03/21/22 07:44	03/21/22 11:41	1
o-Xylene	<0.000341	U	0.00198	0.000341 mg/Kg		03/21/22 07:44	03/21/22 11:41	1
Xylenes, Total	<0.00100	U	0.00396	0.00100 mg/Kg		03/21/22 07:44	03/21/22 11:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/21/22 07:44	03/21/22 11:41	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/21/22 07:44	03/21/22 11:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100 mg/Kg			03/21/22 15:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	48.8	J	49.8	14.9 mg/Kg			03/21/22 09:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U F1	49.8	14.9 mg/Kg		03/18/22 14:00	03/19/22 21:54	1
Diesel Range Organics (Over C10-C28)	48.8	J F1	49.8	14.9 mg/Kg		03/18/22 14:00	03/19/22 21:54	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9 mg/Kg		03/18/22 14:00	03/19/22 21:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			03/18/22 14:00	03/19/22 21:54	1
o-Terphenyl	115		70 - 130			03/18/22 14:00	03/19/22 21:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	570		24.9	4.27 mg/Kg			03/18/22 22:03	5

Eurofins Midland

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12586-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-12586-1	SSW-1B @ 2'	105	108
880-12586-1 MS	SSW-1B @ 2'	103	112
880-12586-1 MSD	SSW-1B @ 2'	102	110
LCS 880-21977/1-A	Lab Control Sample	103	110
LCSD 880-21977/2-A	Lab Control Sample Dup	102	109
MB 880-21977/5-A	Method Blank	101	103
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-12586-1	SSW-1B @ 2'	113	115
880-12586-1 MS	SSW-1B @ 2'	108	96
880-12586-1 MSD	SSW-1B @ 2'	110	99
LCS 880-21847/2-A	Lab Control Sample	102	107
LCSD 880-21847/3-A	Lab Control Sample Dup	97	106
MB 880-21847/1-A	Method Blank	106	113
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12586-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21977/5-A

Matrix: Solid

Analysis Batch: 21978

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21977

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385 mg/Kg		03/21/22 07:44	03/21/22 11:19	1
Toluene	<0.000456	U	0.00200	0.000456 mg/Kg		03/21/22 07:44	03/21/22 11:19	1
Ethylbenzene	<0.000565	U	0.00200	0.000565 mg/Kg		03/21/22 07:44	03/21/22 11:19	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101 mg/Kg		03/21/22 07:44	03/21/22 11:19	1
o-Xylene	<0.000344	U	0.00200	0.000344 mg/Kg		03/21/22 07:44	03/21/22 11:19	1
Xylenes, Total	<0.00101	U	0.00400	0.00101 mg/Kg		03/21/22 07:44	03/21/22 11:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/21/22 07:44	03/21/22 11:19	1
1,4-Difluorobenzene (Surr)	103		70 - 130	03/21/22 07:44	03/21/22 11:19	1

Lab Sample ID: LCS 880-21977/1-A

Matrix: Solid

Analysis Batch: 21978

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21977

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09387		mg/Kg		94	70 - 130
Toluene	0.100	0.09339		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09526		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.1971		mg/Kg		99	70 - 130
o-Xylene	0.100	0.09610		mg/Kg		96	70 - 130

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

Lab Sample ID: LCSD 880-21977/2-A

Matrix: Solid

Analysis Batch: 21978

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21977

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09279		mg/Kg		93	70 - 130	1	35
Toluene	0.100	0.09258		mg/Kg		93	70 - 130	1	35
Ethylbenzene	0.100	0.09512		mg/Kg		95	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1968		mg/Kg		98	70 - 130	0	35
o-Xylene	0.100	0.09589		mg/Kg		96	70 - 130	0	35

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

Lab Sample ID: 880-12586-1 MS

Matrix: Solid

Analysis Batch: 21978

Client Sample ID: SSW-1B @ 2'

Prep Type: Total/NA

Prep Batch: 21977

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.000381	U	0.0998	0.09690		mg/Kg		97	70 - 130
Toluene	<0.000451	U	0.0998	0.09470		mg/Kg		95	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12586-1

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

Lab Sample ID: 880-12586-1 MS

Matrix: Solid

Analysis Batch: 21978

Client Sample ID: SSW-1B @ 2'

Prep Type: Total/NA

Prep Batch: 21977

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.000559	U	0.0998	0.09716		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	<0.00100	U	0.200	0.2018		mg/Kg		101	70 - 130
o-Xylene	<0.000341	U	0.0998	0.09862		mg/Kg		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: 880-12586-1 MSD

Matrix: Solid

Analysis Batch: 21978

Client Sample ID: SSW-1B @ 2'

Prep Type: Total/NA

Prep Batch: 21977

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.000381	U	0.100	0.09510		mg/Kg		95	70 - 130	2	35
Toluene	<0.000451	U	0.100	0.09393		mg/Kg		94	70 - 130	1	35
Ethylbenzene	<0.000559	U	0.100	0.09588		mg/Kg		96	70 - 130	1	35
m-Xylene & p-Xylene	<0.00100	U	0.200	0.1992		mg/Kg		100	70 - 130	1	35
o-Xylene	<0.000341	U	0.100	0.09720		mg/Kg		97	70 - 130	1	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

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

Lab Sample ID: MB 880-21847/1-A

Matrix: Solid

Analysis Batch: 21941

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21847

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0 mg/Kg		03/18/22 08:39	03/19/22 20:52	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0 mg/Kg		03/18/22 08:39	03/19/22 20:52	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0 mg/Kg		03/18/22 08:39	03/19/22 20:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	03/18/22 08:39	03/19/22 20:52	1
o-Terphenyl	113		70 - 130	03/18/22 08:39	03/19/22 20:52	1

Lab Sample ID: LCS 880-21847/2-A

Matrix: Solid

Analysis Batch: 21941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	801.7		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1079		mg/Kg		108	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12586-1

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

Lab Sample ID: LCS 880-21847/2-A

Matrix: Solid

Analysis Batch: 21941

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21847

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: LCSD 880-21847/3-A

Matrix: Solid

Analysis Batch: 21941

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21847

	Spike	LCSD	LCSD					%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	836.8		mg/Kg		84	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	1000	1100		mg/Kg		110	70 - 130	2	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 880-12586-1 MS

Matrix: Solid

Analysis Batch: 21941

Client Sample ID: SSW-1B @ 2'

Prep Type: Total/NA

Prep Batch: 21847

	Sample	Sample	Spike	MS	MS			%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	<14.9	U F1	998	1358	F1	mg/Kg		136	70 - 130
Diesel Range Organics (Over C10-C28)	48.8	J F1	998	1340		mg/Kg		129	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 880-12586-1 MSD

Matrix: Solid

Analysis Batch: 21941

Client Sample ID: SSW-1B @ 2'

Prep Type: Total/NA

Prep Batch: 21847

	Sample	Sample	Spike	MSD	MSD			%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	<14.9	U F1	999	1476	F1	mg/Kg		148	70 - 130
Diesel Range Organics (Over C10-C28)	48.8	J F1	999	1374	F1	mg/Kg		133	70 - 130

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	110		70 - 130
o-Terphenyl	99		70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12586-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-21613/1-A

Matrix: Solid

Analysis Batch: 21928

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858 mg/Kg			03/18/22 18:22	1

Lab Sample ID: LCS 880-21613/2-A

Matrix: Solid

Analysis Batch: 21928

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	251.5		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-21613/3-A

Matrix: Solid

Analysis Batch: 21928

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	251.8		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-12367-A-11-B MS

Matrix: Solid

Analysis Batch: 21928

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	5720		2500	8196		mg/Kg		99	90 - 110

Lab Sample ID: 880-12367-A-11-C MSD

Matrix: Solid

Analysis Batch: 21928

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	5720		2500	8210		mg/Kg		100	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12586-1

GC VOA

Prep Batch: 21977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12586-1	SSW-1B @ 2'	Total/NA	Solid	5035	
MB 880-21977/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21977/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21977/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12586-1 MS	SSW-1B @ 2'	Total/NA	Solid	5035	
880-12586-1 MSD	SSW-1B @ 2'	Total/NA	Solid	5035	

Analysis Batch: 21978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12586-1	SSW-1B @ 2'	Total/NA	Solid	8021B	21977
MB 880-21977/5-A	Method Blank	Total/NA	Solid	8021B	21977
LCS 880-21977/1-A	Lab Control Sample	Total/NA	Solid	8021B	21977
LCSD 880-21977/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21977
880-12586-1 MS	SSW-1B @ 2'	Total/NA	Solid	8021B	21977
880-12586-1 MSD	SSW-1B @ 2'	Total/NA	Solid	8021B	21977

Analysis Batch: 22092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12586-1	SSW-1B @ 2'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 21847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12586-1	SSW-1B @ 2'	Total/NA	Solid	8015NM Prep	
MB 880-21847/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-21847/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-21847/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12586-1 MS	SSW-1B @ 2'	Total/NA	Solid	8015NM Prep	
880-12586-1 MSD	SSW-1B @ 2'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 21941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12586-1	SSW-1B @ 2'	Total/NA	Solid	8015B NM	21847
MB 880-21847/1-A	Method Blank	Total/NA	Solid	8015B NM	21847
LCS 880-21847/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	21847
LCSD 880-21847/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	21847
880-12586-1 MS	SSW-1B @ 2'	Total/NA	Solid	8015B NM	21847
880-12586-1 MSD	SSW-1B @ 2'	Total/NA	Solid	8015B NM	21847

Analysis Batch: 22003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12586-1	SSW-1B @ 2'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 21613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12586-1	SSW-1B @ 2'	Soluble	Solid	DI Leach	
MB 880-21613/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-21613/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-21613/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12586-1

HPLC/IC (Continued)

Leach Batch: 21613 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12367-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12367-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 21928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12586-1	SSW-1B @ 2'	Soluble	Solid	300.0	21613
MB 880-21613/1-A	Method Blank	Soluble	Solid	300.0	21613
LCS 880-21613/2-A	Lab Control Sample	Soluble	Solid	300.0	21613
LCSD 880-21613/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	21613
880-12367-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	21613
880-12367-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	21613

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12586-1

Client Sample ID: SSW-1B @ 2'

Lab Sample ID: 880-12586-1

Date Collected: 03/17/22 13:00

Matrix: Solid

Date Received: 03/18/22 11:21

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	21977	03/21/22 07:44	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	21978	03/21/22 11:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22092	03/21/22 15:31	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22003	03/21/22 09:59	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	21847	03/18/22 14:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			21941	03/19/22 21:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	21613	03/18/22 13:17	CH	XEN MID
Soluble	Analysis	300.0		5			21928	03/18/22 22:03	SC	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12586-1

Laboratory: Eurofins Midland

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

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

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

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

1
2
3
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12
13

Method Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12586-1

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12586-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-12586-1	SSW-1B @ 2'	Solid	03/17/22 13:00	03/18/22 11:21

- 1
- 2
- 3
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- 8
- 9
- 10
- 11
- 12
- 13



Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432) 704-5440 El Paso TX (915) 585-3443 Lubbock TX (806) 794-1296
Hobbs NM (575) 392-7550 Phoenix AZ (480) 355-0900 Atlanta GA (770) 449-8900 Tampa FL (813) 620-2000

Chain of Custody

Work Order No: 12580

www.xenco.com Page 1 of 1

Project Manager: Jared Stoffel		Bill to: (if different) Glen Thompson							
Company Name: TRC		Company Name: Kinder Morgan							
Address: 10 Destia Dr STE 130E		Address:							
City, State Zip: Midland, TX 79705		City, State Zip:							
Phone: 432-238-3003		Email: Glen.Thompson@kindermorgan.com, jstoffel@trccompanies.com, Tbabu@trccompanies.com							
Project Name: EPNG 3031	Turn Around		ANALYSIS REQUEST						
Project Number:	Routine ☐ Rush 24 HRS								
P.O. Number:	Due Date								
Sampler's Name: Tania Babu									
SAMPLE RECEIPT Temp Blank: Yes ☒ No ☐ Wet Ice: Yes ☒ No ☐ Temperature (°C): 34.2 Thermometer ID: TPO-1 Received Intact: Yes ☒ No ☐ Correction Factor: -1 Cooler Custody Seals: Yes ☒ No ☐ Total Containers: 1 Sample Custody Seals: Yes ☒ No ☐									
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (8015M)	BTEX (8021B)	Chlorides (E300)	Work Order Notes TAT starts the day received by the lab, if received by 4:30pm Sample Comments: 402
SSW-1B @ 2'	SS	3/17/2022	1300	2'	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 N K Se Ag SiO2 Na Sr Ti Sn U V Zn Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 Hg									
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.									
Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time				
1 [Signature]	2 [Signature]	5/18/22							
3 [Signature]	4 [Signature]	11/21							
5 [Signature]	6 [Signature]								



880-12586 Chain of Custody

Revised Date 05/14/18 Rev 2018.1



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-12698-1
Client Project/Site: EPNG 3031

For:

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/23/2022 3:02:38 PM

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

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

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

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Laboratory Job ID: 880-12698-1

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Eurofins Midland

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

Job ID: 880-12698-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-12698-1****Receipt**

The samples were received on 3/21/2022 5:04 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.5°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-22118/3-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

Client Sample ID: FL-3 @4.5'

Lab Sample ID: 880-12698-1

Date Collected: 03/21/22 12:00

Matrix: Solid

Date Received: 03/21/22 17:04

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387 mg/Kg		03/22/22 07:30	03/22/22 20:24	1
Toluene	<0.000458	U	0.00201	0.000458 mg/Kg		03/22/22 07:30	03/22/22 20:24	1
Ethylbenzene	<0.000567	U	0.00201	0.000567 mg/Kg		03/22/22 07:30	03/22/22 20:24	1
m-Xylene & p-Xylene	<0.00101	U	0.00402	0.00101 mg/Kg		03/22/22 07:30	03/22/22 20:24	1
o-Xylene	<0.000345	U	0.00201	0.000345 mg/Kg		03/22/22 07:30	03/22/22 20:24	1
Xylenes, Total	<0.00101	U	0.00402	0.00101 mg/Kg		03/22/22 07:30	03/22/22 20:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	03/22/22 07:30	03/22/22 20:24	1
1,4-Difluorobenzene (Surr)	106		70 - 130	03/22/22 07:30	03/22/22 20:24	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00402	0.00101 mg/Kg			03/23/22 14:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.2	J	49.8	14.9 mg/Kg			03/23/22 12:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	49.8	14.9 mg/Kg		03/22/22 08:37	03/22/22 12:02	1
Diesel Range Organics (Over C10-C28)	16.2	J	49.8	14.9 mg/Kg		03/22/22 08:37	03/22/22 12:02	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9 mg/Kg		03/22/22 08:37	03/22/22 12:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	03/22/22 08:37	03/22/22 12:02	1
o-Terphenyl	101		70 - 130	03/22/22 08:37	03/22/22 12:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4430		49.8	8.55 mg/Kg			03/22/22 16:17	10

Client Sample ID: FL-4 @4.5'

Lab Sample ID: 880-12698-2

Date Collected: 03/21/22 12:20

Matrix: Solid

Date Received: 03/21/22 17:04

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386 mg/Kg		03/22/22 07:30	03/22/22 20:44	1
Toluene	<0.000457	U	0.00200	0.000457 mg/Kg		03/22/22 07:30	03/22/22 20:44	1
Ethylbenzene	<0.000566	U	0.00200	0.000566 mg/Kg		03/22/22 07:30	03/22/22 20:44	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101 mg/Kg		03/22/22 07:30	03/22/22 20:44	1
o-Xylene	<0.000345	U	0.00200	0.000345 mg/Kg		03/22/22 07:30	03/22/22 20:44	1
Xylenes, Total	<0.00101	U	0.00401	0.00101 mg/Kg		03/22/22 07:30	03/22/22 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	03/22/22 07:30	03/22/22 20:44	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

Client Sample ID: FL-4 @4.5'

Lab Sample ID: 880-12698-2

Date Collected: 03/21/22 12:20

Matrix: Solid

Date Received: 03/21/22 17:04

Sample Depth: 4.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	108		70 - 130	03/22/22 07:30	03/22/22 20:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101 mg/Kg			03/23/22 14:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.0	J	49.9	15.0 mg/Kg			03/23/22 12:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0 mg/Kg		03/22/22 08:37	03/22/22 13:04	1
Diesel Range Organics (Over C10-C28)	20.0	J	49.9	15.0 mg/Kg		03/22/22 08:37	03/22/22 13:04	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0 mg/Kg		03/22/22 08:37	03/22/22 13:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130			03/22/22 08:37	03/22/22 13:04	1
o-Terphenyl	117		70 - 130			03/22/22 08:37	03/22/22 13:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7150		50.0	8.58 mg/Kg			03/22/22 16:43	10

Client Sample ID: FL-5 @4.5'

Lab Sample ID: 880-12698-3

Date Collected: 03/21/22 12:40

Matrix: Solid

Date Received: 03/21/22 17:04

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386 mg/Kg		03/22/22 07:30	03/22/22 21:05	1
Toluene	<0.000457	U	0.00200	0.000457 mg/Kg		03/22/22 07:30	03/22/22 21:05	1
Ethylbenzene	<0.000566	U	0.00200	0.000566 mg/Kg		03/22/22 07:30	03/22/22 21:05	1
m-Xylene & p-Xylene	<0.00101	U	0.00401	0.00101 mg/Kg		03/22/22 07:30	03/22/22 21:05	1
o-Xylene	<0.000345	U	0.00200	0.000345 mg/Kg		03/22/22 07:30	03/22/22 21:05	1
Xylenes, Total	<0.00101	U	0.00401	0.00101 mg/Kg		03/22/22 07:30	03/22/22 21:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	03/22/22 07:30	03/22/22 21:05	1
1,4-Difluorobenzene (Surr)	108		70 - 130	03/22/22 07:30	03/22/22 21:05	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101 mg/Kg			03/23/22 14:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0 mg/Kg			03/23/22 12:18	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

Client Sample ID: FL-5 @4.5'

Lab Sample ID: 880-12698-3

Date Collected: 03/21/22 12:40

Matrix: Solid

Date Received: 03/21/22 17:04

Sample Depth: 4.5'

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0 mg/Kg		03/22/22 08:37	03/22/22 13:25	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0 mg/Kg		03/22/22 08:37	03/22/22 13:25	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0 mg/Kg		03/22/22 08:37	03/22/22 13:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			03/22/22 08:37	03/22/22 13:25	1
o-Terphenyl	100		70 - 130			03/22/22 08:37	03/22/22 13:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4550		50.1	8.60 mg/Kg			03/22/22 16:52	10

Client Sample ID: FL-6 @4.5'

Lab Sample ID: 880-12698-4

Date Collected: 03/21/22 13:00

Matrix: Solid

Date Received: 03/21/22 17:04

Sample Depth: 4.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383 mg/Kg		03/22/22 07:30	03/22/22 21:25	1
Toluene	<0.000454	U	0.00199	0.000454 mg/Kg		03/22/22 07:30	03/22/22 21:25	1
Ethylbenzene	<0.000563	U	0.00199	0.000563 mg/Kg		03/22/22 07:30	03/22/22 21:25	1
m-Xylene & p-Xylene	<0.00101	U	0.00398	0.00101 mg/Kg		03/22/22 07:30	03/22/22 21:25	1
o-Xylene	<0.000343	U	0.00199	0.000343 mg/Kg		03/22/22 07:30	03/22/22 21:25	1
Xylenes, Total	<0.00101	U	0.00398	0.00101 mg/Kg		03/22/22 07:30	03/22/22 21:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			03/22/22 07:30	03/22/22 21:25	1
1,4-Difluorobenzene (Surr)	107		70 - 130			03/22/22 07:30	03/22/22 21:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101 mg/Kg			03/23/22 14:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	29.2	J	49.9	15.0 mg/Kg			03/23/22 12:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0 mg/Kg		03/22/22 08:40	03/22/22 13:25	1
Diesel Range Organics (Over C10-C28)	29.2	J	49.9	15.0 mg/Kg		03/22/22 08:40	03/22/22 13:25	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0 mg/Kg		03/22/22 08:40	03/22/22 13:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130			03/22/22 08:40	03/22/22 13:25	1
o-Terphenyl	91		70 - 130			03/22/22 08:40	03/22/22 13:25	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

Client Sample ID: FL-6 @4.5'
Date Collected: 03/21/22 13:00
Date Received: 03/21/22 17:04
Sample Depth: 4.5'

Lab Sample ID: 880-12698-4
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	3300		25.2	4.33 mg/Kg			03/22/22 17:01	5	

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-12580-A-1-J MS	Matrix Spike	104	113
880-12580-A-1-K MSD	Matrix Spike Duplicate	105	111
880-12698-1	FL-3 @4.5'	104	106
880-12698-2	FL-4 @4.5'	105	108
880-12698-3	FL-5 @4.5'	106	108
880-12698-4	FL-6 @4.5'	108	107
LCS 880-22009/1-A	Lab Control Sample	102	111
LCSD 880-22009/2-A	Lab Control Sample Dup	101	110
MB 880-22009/5-A	Method Blank	101	104
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-12698-1	FL-3 @4.5'	97	101
880-12698-1 MS	FL-3 @4.5'	99	90
880-12698-1 MSD	FL-3 @4.5'	99	90
880-12698-2	FL-4 @4.5'	114	117
880-12698-3	FL-5 @4.5'	99	100
880-12698-4	FL-6 @4.5'	94	91
880-12699-A-1-D MS	Matrix Spike	108	88
880-12699-A-1-E MSD	Matrix Spike Duplicate	93	76
LCS 880-22118/2-A	Lab Control Sample	108	113
LCS 880-22119/2-A	Lab Control Sample	121	114
LCSD 880-22118/3-A	Lab Control Sample Dup	125	133 S1+
LCSD 880-22119/3-A	Lab Control Sample Dup	120	111
MB 880-22118/1-A	Method Blank	93	98
MB 880-22119/1-A	Method Blank	107	112
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-22009/5-A

Matrix: Solid

Analysis Batch: 22109

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22009

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385 mg/Kg		03/22/22 07:30	03/22/22 12:55	1
Toluene	<0.000456	U	0.00200	0.000456 mg/Kg		03/22/22 07:30	03/22/22 12:55	1
Ethylbenzene	<0.000565	U	0.00200	0.000565 mg/Kg		03/22/22 07:30	03/22/22 12:55	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101 mg/Kg		03/22/22 07:30	03/22/22 12:55	1
o-Xylene	<0.000344	U	0.00200	0.000344 mg/Kg		03/22/22 07:30	03/22/22 12:55	1
Xylenes, Total	<0.00101	U	0.00400	0.00101 mg/Kg		03/22/22 07:30	03/22/22 12:55	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	03/22/22 07:30	03/22/22 12:55	1
1,4-Difluorobenzene (Surr)	104		70 - 130	03/22/22 07:30	03/22/22 12:55	1

Lab Sample ID: LCS 880-22009/1-A

Matrix: Solid

Analysis Batch: 22109

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22009

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1000		mg/Kg		100	70 - 130
Toluene	0.100	0.09951		mg/Kg		100	70 - 130
Ethylbenzene	0.100	0.1020		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	0.200	0.2100		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1026		mg/Kg		103	70 - 130

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

Lab Sample ID: LCSD 880-22009/2-A

Matrix: Solid

Analysis Batch: 22109

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 22009

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.09667		mg/Kg		97	70 - 130	3	35
Toluene	0.100	0.09516		mg/Kg		95	70 - 130	4	35
Ethylbenzene	0.100	0.09655		mg/Kg		97	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1996		mg/Kg		100	70 - 130	5	35
o-Xylene	0.100	0.09811		mg/Kg		98	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 880-12580-A-1-J MS

Matrix: Solid

Analysis Batch: 22109

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 22009

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.000382	U F1	0.0998	0.06350	F1	mg/Kg		64	70 - 130
Toluene	0.000547	J F1	0.0998	0.04705	F1	mg/Kg		47	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

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

Lab Sample ID: 880-12580-A-1-J MS

Matrix: Solid

Analysis Batch: 22109

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 22009

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	0.000707	J F1	0.0998	0.03427	F1	mg/Kg		34	70 - 130
m-Xylene & p-Xylene	0.00117	J F1	0.200	0.06798	F1	mg/Kg		33	70 - 130
o-Xylene	0.000857	J F1	0.0998	0.03381	F1	mg/Kg		33	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	104		70 - 130						
1,4-Difluorobenzene (Surr)	113		70 - 130						

Lab Sample ID: 880-12580-A-1-K MSD

Matrix: Solid

Analysis Batch: 22109

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 22009

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.000382	U F1	0.0990	0.05763	F1	mg/Kg		58	70 - 130	10	35
Toluene	0.000547	J F1	0.0990	0.05221	F1	mg/Kg		52	70 - 130	10	35
Ethylbenzene	0.000707	J F1	0.0990	0.04620	F1	mg/Kg		46	70 - 130	30	35
m-Xylene & p-Xylene	0.00117	J F1	0.198	0.09579	F1	mg/Kg		48	70 - 130	34	35
o-Xylene	0.000857	J F1	0.0990	0.04725	F1	mg/Kg		47	70 - 130	33	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	105		70 - 130								
1,4-Difluorobenzene (Surr)	111		70 - 130								

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

Lab Sample ID: MB 880-22118/1-A

Matrix: Solid

Analysis Batch: 22112

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22118

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0 mg/Kg		03/22/22 08:37	03/22/22 10:58	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0 mg/Kg		03/22/22 08:37	03/22/22 10:58	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0 mg/Kg		03/22/22 08:37	03/22/22 10:58	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130			03/22/22 08:37	03/22/22 10:58	1
o-Terphenyl	98		70 - 130			03/22/22 08:37	03/22/22 10:58	1

Lab Sample ID: LCS 880-22118/2-A

Matrix: Solid

Analysis Batch: 22112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22118

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	985.6		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1101		mg/Kg		110	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

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

Lab Sample ID: LCS 880-22118/2-A

Matrix: Solid

Analysis Batch: 22112

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22118

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	113		70 - 130

Lab Sample ID: LCSD 880-22118/3-A

Matrix: Solid

Analysis Batch: 22112

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 22118

	Spike	LCSD	LCSD					%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Gasoline Range Organics (GRO)-C6-C10	1000	1058		mg/Kg		106	70 - 130	7	20		
Diesel Range Organics (Over C10-C28)	1000	1284		mg/Kg		128	70 - 130	15	20		

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	133	S1+	70 - 130

Lab Sample ID: 880-12698-1 MS

Matrix: Solid

Analysis Batch: 22112

Client Sample ID: FL-3 @4.5'

Prep Type: Total/NA

Prep Batch: 22118

	Sample	Sample	Spike	MS	MS			%Rec.			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	998	1149		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)	16.2	J	998	1090		mg/Kg		108	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	90		70 - 130

Lab Sample ID: 880-12698-1 MSD

Matrix: Solid

Analysis Batch: 22112

Client Sample ID: FL-3 @4.5'

Prep Type: Total/NA

Prep Batch: 22118

	Sample	Sample	Spike	MSD	MSD			%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	999	1181		mg/Kg		118	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	16.2	J	999	1098		mg/Kg		108	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	90		70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

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

Lab Sample ID: MB 880-22119/1-A

Matrix: Solid

Analysis Batch: 22114

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22119

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0 mg/Kg		03/22/22 08:40	03/22/22 10:58	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0 mg/Kg		03/22/22 08:40	03/22/22 10:58	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0 mg/Kg		03/22/22 08:40	03/22/22 10:58	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			03/22/22 08:40	03/22/22 10:58	1
o-Terphenyl	112		70 - 130			03/22/22 08:40	03/22/22 10:58	1

Lab Sample ID: LCS 880-22119/2-A

Matrix: Solid

Analysis Batch: 22114

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22119

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	949.0		mg/Kg		95	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1206		mg/Kg		121	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	121		70 - 130				
o-Terphenyl	114		70 - 130				

Lab Sample ID: LCSD 880-22119/3-A

Matrix: Solid

Analysis Batch: 22114

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 22119

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	871.9		mg/Kg		87	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	1154		mg/Kg		115	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	120		70 - 130						
o-Terphenyl	111		70 - 130						

Lab Sample ID: 880-12699-A-1-D MS

Matrix: Solid

Analysis Batch: 22114

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 22119

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	998	1048		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	33.9	J	998	1016		mg/Kg		98	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

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

Lab Sample ID: 880-12699-A-1-D MS

Matrix: Solid

Analysis Batch: 22114

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 22119

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 880-12699-A-1-E MSD

Matrix: Solid

Analysis Batch: 22114

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 22119

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	999	897.5		mg/Kg		90	70 - 130	15	20
Diesel Range Organics (Over C10-C28)	33.9	J	999	877.6		mg/Kg		84	70 - 130	15	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	76		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-22084/1-A

Matrix: Solid

Analysis Batch: 22140

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<0.858	U	5.00	0.858 mg/Kg			03/22/22 14:49	1		

Lab Sample ID: LCS 880-22084/2-A

Matrix: Solid

Analysis Batch: 22140

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS				%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	267.6		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-22084/3-A

Matrix: Solid

Analysis Batch: 22140

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	268.8		mg/Kg		108	90 - 110	0	20

Lab Sample ID: 880-12623-A-1-C MS

Matrix: Solid

Analysis Batch: 22140

Client Sample ID: Matrix Spike

Prep Type: Soluble

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	9000		4960	14130		mg/Kg		103	90 - 110	

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-12623-A-1-D MSD					Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid					Prep Type: Soluble							
Analysis Batch: 22140												
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit	
Chloride	9000		4960	14160		mg/Kg		104	90 - 110	0	20	

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

GC VOA

Prep Batch: 22009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12698-1	FL-3 @4.5'	Total/NA	Solid	5035	
880-12698-2	FL-4 @4.5'	Total/NA	Solid	5035	
880-12698-3	FL-5 @4.5'	Total/NA	Solid	5035	
880-12698-4	FL-6 @4.5'	Total/NA	Solid	5035	
MB 880-22009/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-22009/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-22009/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-12580-A-1-J MS	Matrix Spike	Total/NA	Solid	5035	
880-12580-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 22109

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12698-1	FL-3 @4.5'	Total/NA	Solid	8021B	22009
880-12698-2	FL-4 @4.5'	Total/NA	Solid	8021B	22009
880-12698-3	FL-5 @4.5'	Total/NA	Solid	8021B	22009
880-12698-4	FL-6 @4.5'	Total/NA	Solid	8021B	22009
MB 880-22009/5-A	Method Blank	Total/NA	Solid	8021B	22009
LCS 880-22009/1-A	Lab Control Sample	Total/NA	Solid	8021B	22009
LCSD 880-22009/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	22009
880-12580-A-1-J MS	Matrix Spike	Total/NA	Solid	8021B	22009
880-12580-A-1-K MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	22009

Analysis Batch: 22219

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12698-1	FL-3 @4.5'	Total/NA	Solid	Total BTEX	
880-12698-2	FL-4 @4.5'	Total/NA	Solid	Total BTEX	
880-12698-3	FL-5 @4.5'	Total/NA	Solid	Total BTEX	
880-12698-4	FL-6 @4.5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 22112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12698-1	FL-3 @4.5'	Total/NA	Solid	8015B NM	22118
880-12698-2	FL-4 @4.5'	Total/NA	Solid	8015B NM	22118
880-12698-3	FL-5 @4.5'	Total/NA	Solid	8015B NM	22118
MB 880-22118/1-A	Method Blank	Total/NA	Solid	8015B NM	22118
LCS 880-22118/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	22118
LCSD 880-22118/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	22118
880-12698-1 MS	FL-3 @4.5'	Total/NA	Solid	8015B NM	22118
880-12698-1 MSD	FL-3 @4.5'	Total/NA	Solid	8015B NM	22118

Analysis Batch: 22114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12698-4	FL-6 @4.5'	Total/NA	Solid	8015B NM	22119
MB 880-22119/1-A	Method Blank	Total/NA	Solid	8015B NM	22119
LCS 880-22119/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	22119
LCSD 880-22119/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	22119
880-12699-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	22119
880-12699-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	22119

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

GC Semi VOA

Prep Batch: 22118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12698-1	FL-3 @4.5'	Total/NA	Solid	8015NM Prep	
880-12698-2	FL-4 @4.5'	Total/NA	Solid	8015NM Prep	
880-12698-3	FL-5 @4.5'	Total/NA	Solid	8015NM Prep	
MB 880-22118/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-22118/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-22118/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12698-1 MS	FL-3 @4.5'	Total/NA	Solid	8015NM Prep	
880-12698-1 MSD	FL-3 @4.5'	Total/NA	Solid	8015NM Prep	

Prep Batch: 22119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12698-4	FL-6 @4.5'	Total/NA	Solid	8015NM Prep	
MB 880-22119/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-22119/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-22119/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-12699-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-12699-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 22195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12698-1	FL-3 @4.5'	Total/NA	Solid	8015 NM	
880-12698-2	FL-4 @4.5'	Total/NA	Solid	8015 NM	
880-12698-3	FL-5 @4.5'	Total/NA	Solid	8015 NM	
880-12698-4	FL-6 @4.5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 22084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12698-1	FL-3 @4.5'	Soluble	Solid	DI Leach	
880-12698-2	FL-4 @4.5'	Soluble	Solid	DI Leach	
880-12698-3	FL-5 @4.5'	Soluble	Solid	DI Leach	
880-12698-4	FL-6 @4.5'	Soluble	Solid	DI Leach	
MB 880-22084/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-22084/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-22084/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-12623-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-12623-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 22140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12698-1	FL-3 @4.5'	Soluble	Solid	300.0	22084
880-12698-2	FL-4 @4.5'	Soluble	Solid	300.0	22084
880-12698-3	FL-5 @4.5'	Soluble	Solid	300.0	22084
880-12698-4	FL-6 @4.5'	Soluble	Solid	300.0	22084
MB 880-22084/1-A	Method Blank	Soluble	Solid	300.0	22084
LCS 880-22084/2-A	Lab Control Sample	Soluble	Solid	300.0	22084
LCSD 880-22084/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	22084
880-12623-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	22084
880-12623-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	22084

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

Client Sample ID: FL-3 @4.5'

Lab Sample ID: 880-12698-1

Date Collected: 03/21/22 12:00

Matrix: Solid

Date Received: 03/21/22 17:04

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 g	22009	03/22/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22109	03/22/22 20:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22219	03/23/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22195	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	22118	03/22/22 08:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22112	03/22/22 12:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		10			22140	03/22/22 16:17	CH	XEN MID

Client Sample ID: FL-4 @4.5'

Lab Sample ID: 880-12698-2

Date Collected: 03/21/22 12:20

Matrix: Solid

Date Received: 03/21/22 17:04

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 g	22009	03/22/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22109	03/22/22 20:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22219	03/23/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22195	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	22118	03/22/22 08:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22112	03/22/22 13:04	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		10			22140	03/22/22 16:43	CH	XEN MID

Client Sample ID: FL-5 @4.5'

Lab Sample ID: 880-12698-3

Date Collected: 03/21/22 12:40

Matrix: Solid

Date Received: 03/21/22 17:04

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 g	22009	03/22/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22109	03/22/22 21:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22219	03/23/22 14:42	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22195	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22118	03/22/22 08:37	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22112	03/22/22 13:25	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		10			22140	03/22/22 16:52	CH	XEN MID

Client Sample ID: FL-6 @4.5'

Lab Sample ID: 880-12698-4

Date Collected: 03/21/22 13:00

Matrix: Solid

Date Received: 03/21/22 17:04

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 g	22009	03/22/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22109	03/22/22 21:25	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22219	03/23/22 14:42	AJ	XEN MID

Eurofins Midland

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

Client Sample ID: FL-6 @4.5'

Date Collected: 03/21/22 13:00

Date Received: 03/21/22 17:04

Lab Sample ID: 880-12698-4

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			22195	03/23/22 12:18	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22119	03/22/22 08:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22114	03/22/22 13:25	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	22084	03/22/22 10:57	CH	XEN MID
Soluble	Analysis	300.0		5			22140	03/22/22 17:01	CH	XEN MID

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

Laboratory: Eurofins Midland

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

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

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

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

1
2
3
4
5
6
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8
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11
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Method Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12698-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-12698-1	FL-3 @4.5'	Solid	03/21/22 12:00	03/21/22 17:04	4.5'
880-12698-2	FL-4 @4.5'	Solid	03/21/22 12:20	03/21/22 17:04	4.5'
880-12698-3	FL-5 @4.5'	Solid	03/21/22 12:40	03/21/22 17:04	4.5'
880-12698-4	FL-6 @4.5'	Solid	03/21/22 13:00	03/21/22 17:04	4.5'

1

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Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0330
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: 12698

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-12806-1
Client Project/Site: EPNG 3031

For:

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
3/24/2022 4:57:28 PM

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

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

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

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Laboratory Job ID: 880-12806-1

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12806-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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

Eurofins Midland

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12806-1

Job ID: 880-12806-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-12806-1****Receipt**

The sample was received on 3/23/2022 3:29 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C

GC VOA

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

GC Semi VOA

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-22210 and analytical batch 880-22211 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12806-1

Client Sample ID: WSW-2B @ 2.5'

Lab Sample ID: 880-12806-1

Date Collected: 03/23/22 10:20

Matrix: Solid

Date Received: 03/23/22 15:29

Sample Depth: 2.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000460	J	0.00199	0.000383 mg/Kg		03/23/22 16:00	03/23/22 19:07	1
Toluene	<0.000453	U	0.00199	0.000453 mg/Kg		03/23/22 16:00	03/23/22 19:07	1
Ethylbenzene	<0.000562	U	0.00199	0.000562 mg/Kg		03/23/22 16:00	03/23/22 19:07	1
m-Xylene & p-Xylene	<0.00100	U	0.00398	0.00100 mg/Kg		03/23/22 16:00	03/23/22 19:07	1
o-Xylene	<0.000342	U	0.00199	0.000342 mg/Kg		03/23/22 16:00	03/23/22 19:07	1
Xylenes, Total	<0.00100	U	0.00398	0.00100 mg/Kg		03/23/22 16:00	03/23/22 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	03/23/22 16:00	03/23/22 19:07	1
1,4-Difluorobenzene (Surr)	94		70 - 130	03/23/22 16:00	03/23/22 19:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100 mg/Kg			03/24/22 16:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23.7	J	49.9	15.0 mg/Kg			03/24/22 16:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0 mg/Kg		03/23/22 16:00	03/23/22 19:32	1
Diesel Range Organics (Over C10-C28)	23.7	J	49.9	15.0 mg/Kg		03/23/22 16:00	03/23/22 19:32	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0 mg/Kg		03/23/22 16:00	03/23/22 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	03/23/22 16:00	03/23/22 19:32	1
o-Terphenyl	108		70 - 130	03/23/22 16:00	03/23/22 19:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	223		5.03	0.863 mg/Kg			03/23/22 20:46	1

Eurofins Midland

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12806-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-12806-1	WSW-2B @ 2.5'	125	94
890-2105-A-1-F MS	Matrix Spike	52 S1-	104
890-2105-A-1-G MSD	Matrix Spike Duplicate	98	109
LCS 880-21853/1-A	Lab Control Sample	98	102
LCSD 880-21853/2-A	Lab Control Sample Dup	100	107
MB 880-21853/5-A	Method Blank	120	96
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-12806-1	WSW-2B @ 2.5'	96	108
890-2119-A-1-F MS	Matrix Spike	101	107
890-2119-A-1-G MSD	Matrix Spike Duplicate	100	106
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-22186/2-A	Lab Control Sample	93	101
LCSD 880-22186/3-A	Lab Control Sample Dup	93	100
MB 880-22186/1-A	Method Blank	98	114
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12806-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-21853/5-A

Matrix: Solid

Analysis Batch: 22182

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 21853

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385 mg/Kg		03/23/22 07:30	03/23/22 11:09	1
Toluene	<0.000456	U	0.00200	0.000456 mg/Kg		03/23/22 07:30	03/23/22 11:09	1
Ethylbenzene	<0.000565	U	0.00200	0.000565 mg/Kg		03/23/22 07:30	03/23/22 11:09	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101 mg/Kg		03/23/22 07:30	03/23/22 11:09	1
o-Xylene	<0.000344	U	0.00200	0.000344 mg/Kg		03/23/22 07:30	03/23/22 11:09	1
Xylenes, Total	<0.00101	U	0.00400	0.00101 mg/Kg		03/23/22 07:30	03/23/22 11:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	03/23/22 07:30	03/23/22 11:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130	03/23/22 07:30	03/23/22 11:09	1

Lab Sample ID: LCS 880-21853/1-A

Matrix: Solid

Analysis Batch: 22182

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 21853

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1060		mg/Kg		106	70 - 130
Toluene	0.100	0.08963		mg/Kg		90	70 - 130
Ethylbenzene	0.100	0.09757		mg/Kg		98	70 - 130
m-Xylene & p-Xylene	0.200	0.2096		mg/Kg		105	70 - 130
o-Xylene	0.100	0.1034		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-21853/2-A

Matrix: Solid

Analysis Batch: 22182

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 21853

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.1111		mg/Kg		111	70 - 130	5	35
Toluene	0.100	0.08944		mg/Kg		89	70 - 130	0	35
Ethylbenzene	0.100	0.09503		mg/Kg		95	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2047		mg/Kg		102	70 - 130	2	35
o-Xylene	0.100	0.1019		mg/Kg		102	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 890-2105-A-1-F MS

Matrix: Solid

Analysis Batch: 22182

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21853

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.000394	J	0.0996	0.09756		mg/Kg		98	70 - 130
Toluene	0.000473	J	0.0996	0.08866		mg/Kg		89	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12806-1

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

Lab Sample ID: 890-2105-A-1-F MS

Matrix: Solid

Analysis Batch: 22182

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 21853

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.000571	U	0.0996	0.1010		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	<0.00102	U	0.199	0.2233		mg/Kg		112	70 - 130
o-Xylene	<0.000347	U	0.0996	0.1109		mg/Kg		111	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	52	S1-	70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-2105-A-1-G MSD

Matrix: Solid

Analysis Batch: 22182

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 21853

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.000394	J	0.100	0.1038		mg/Kg		103	70 - 130	6	35
Toluene	0.000473	J	0.100	0.08314		mg/Kg		83	70 - 130	6	35
Ethylbenzene	<0.000571	U	0.100	0.08960		mg/Kg		90	70 - 130	12	35
m-Xylene & p-Xylene	<0.00102	U	0.200	0.1934		mg/Kg		97	70 - 130	14	35
o-Xylene	<0.000347	U	0.100	0.09686		mg/Kg		97	70 - 130	14	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

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

Lab Sample ID: MB 880-22186/1-A

Matrix: Solid

Analysis Batch: 22176

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 22186

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0 mg/Kg		03/23/22 08:44	03/23/22 10:59	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0 mg/Kg		03/23/22 08:44	03/23/22 10:59	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0 mg/Kg		03/23/22 08:44	03/23/22 10:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	03/23/22 08:44	03/23/22 10:59	1
o-Terphenyl	114		70 - 130	03/23/22 08:44	03/23/22 10:59	1

Lab Sample ID: LCS 880-22186/2-A

Matrix: Solid

Analysis Batch: 22176

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22186

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1095		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	900.2		mg/Kg		90	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12806-1

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

Lab Sample ID: LCS 880-22186/2-A

Matrix: Solid

Analysis Batch: 22176

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 22186

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: LCSD 880-22186/3-A

Matrix: Solid

Analysis Batch: 22176

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 22186

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1155		mg/Kg		115	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	935.4		mg/Kg		94	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 890-2119-A-1-F MS

Matrix: Solid

Analysis Batch: 22176

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 22186

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<14.9	U	998	876.0		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	31.5	J	998	820.7		mg/Kg		79	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 890-2119-A-1-G MSD

Matrix: Solid

Analysis Batch: 22176

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 22186

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	<14.9	U	999	886.4		mg/Kg		89	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	31.5	J	999	821.1		mg/Kg		79	70 - 130	0	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	106		70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12806-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-22210/1-A

Matrix: Solid

Analysis Batch: 22211

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858 mg/Kg			03/23/22 14:12	1

Lab Sample ID: LCS 880-22210/2-A

Matrix: Solid

Analysis Batch: 22211

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	268.8		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-22210/3-A

Matrix: Solid

Analysis Batch: 22211

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	270.3		mg/Kg		108	90 - 110	1	20

Lab Sample ID: 890-2112-A-3-H MS

Matrix: Solid

Analysis Batch: 22211

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7.48	F1	249	286.4	F1	mg/Kg		112	90 - 110

Lab Sample ID: 890-2112-A-3-I MSD

Matrix: Solid

Analysis Batch: 22211

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7.48	F1	249	287.5	F1	mg/Kg		113	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12806-1

GC VOA

Prep Batch: 21853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12806-1	WSW-2B @ 2.5'	Total/NA	Solid	5035	
MB 880-21853/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-21853/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-21853/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2105-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
890-2105-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 22182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12806-1	WSW-2B @ 2.5'	Total/NA	Solid	8021B	21853
MB 880-21853/5-A	Method Blank	Total/NA	Solid	8021B	21853
LCS 880-21853/1-A	Lab Control Sample	Total/NA	Solid	8021B	21853
LCSD 880-21853/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	21853
890-2105-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	21853
890-2105-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	21853

Analysis Batch: 22300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12806-1	WSW-2B @ 2.5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 22176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12806-1	WSW-2B @ 2.5'	Total/NA	Solid	8015B NM	22186
MB 880-22186/1-A	Method Blank	Total/NA	Solid	8015B NM	22186
LCS 880-22186/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	22186
LCSD 880-22186/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	22186
890-2119-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	22186
890-2119-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	22186

Prep Batch: 22186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12806-1	WSW-2B @ 2.5'	Total/NA	Solid	8015NM Prep	
MB 880-22186/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-22186/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-22186/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2119-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2119-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 22295

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12806-1	WSW-2B @ 2.5'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 22210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12806-1	WSW-2B @ 2.5'	Soluble	Solid	DI Leach	
MB 880-22210/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-22210/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-22210/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12806-1

HPLC/IC (Continued)

Leach Batch: 22210 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2112-A-3-H MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2112-A-3-I MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 22211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-12806-1	WSW-2B @ 2.5'	Soluble	Solid	300.0	22210
MB 880-22210/1-A	Method Blank	Soluble	Solid	300.0	22210
LCS 880-22210/2-A	Lab Control Sample	Soluble	Solid	300.0	22210
LCSD 880-22210/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	22210
890-2112-A-3-H MS	Matrix Spike	Soluble	Solid	300.0	22210
890-2112-A-3-I MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	22210

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12806-1

Client Sample ID: WSW-2B @ 2.5'
Date Collected: 03/23/22 10:20
Date Received: 03/23/22 15:29

Lab Sample ID: 880-12806-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	21853	03/23/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	22182	03/23/22 19:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			22300	03/24/22 16:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			22295	03/24/22 16:08	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	22186	03/23/22 16:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			22176	03/23/22 19:32	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	22210	03/23/22 16:28	SC	XEN MID
Soluble	Analysis	300.0		1			22211	03/23/22 20:46	SC	XEN MID

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12806-1

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12806-1

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-12806-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-12806-1	WSW-2B @ 2.5'	Solid	03/23/22 10:20	03/23/22 15:29	2.5'

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
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Chain of Custody

Houston, TX (281) 240-4200 Dallas, TX (214) 502-0300 San Antonio, TX (210) 509-3334
Midland, TX (432-704-5440) El Paso, TX (915)655-3443 Lubbock, TX (806)754-1296
Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-392-7550)
Hobbs, NM (575-392-7550)

880-12806 Chain of Custody
WWW.AELIUS.COM



Project Manager		Jared Stoffel	Bill to: (if different)	Glen Thompson
Company Name:		TRC	Company Name:	Kinder Morgan
Address:		10 Desta Dr STE 130E	Address:	
City, State ZIP		Midland, TX 79705	City, State ZIP	
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Work Order Comments Program: ☐ ST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: Reporting Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐ Deliverables EDD ☐ ADaPT ☐ Other				

[illegible][illegible]

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-13700-1
Client Project/Site: EPNG 3031

For:

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
4/15/2022 1:50:17 PM

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

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

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

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Laboratory Job ID: 880-13700-1

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

Job ID: 880-13700-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-13700-1****Receipt**

The samples were received on 4/14/2022 8:29 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-23511, 880-23511 and 880-23511 and analytical batch 880-23503 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA

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

HPLC/IC

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

Client Sample ID: FL-8 @ 5'

Lab Sample ID: 880-13700-1

Date Collected: 04/13/22 12:16

Matrix: Solid

Date Received: 04/14/22 08:29

Sample Depth: 5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/14/22 12:28	04/14/22 15:52	1
Toluene	<0.00199	U *	0.00199	mg/Kg		04/14/22 12:28	04/14/22 15:52	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/14/22 12:28	04/14/22 15:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/14/22 12:28	04/14/22 15:52	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/14/22 12:28	04/14/22 15:52	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/14/22 12:28	04/14/22 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/14/22 12:28	04/14/22 15:52	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/14/22 12:28	04/14/22 15:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/15/22 11:08	1

Method: 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			04/15/22 12:03	1

Method: 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		04/14/22 10:12	04/14/22 22:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/14/22 10:12	04/14/22 22:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/14/22 10:12	04/14/22 22:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	04/14/22 10:12	04/14/22 22:17	1
o-Terphenyl	87		70 - 130	04/14/22 10:12	04/14/22 22:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3400		49.5	mg/Kg			04/15/22 03:56	10

Client Sample ID: FL-7 @ 5'

Lab Sample ID: 880-13700-2

Date Collected: 04/13/22 12:55

Matrix: Solid

Date Received: 04/14/22 08:29

Sample Depth: 5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/14/22 12:28	04/14/22 16:13	1
Toluene	<0.00199	U *	0.00199	mg/Kg		04/14/22 12:28	04/14/22 16:13	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/14/22 12:28	04/14/22 16:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/14/22 12:28	04/14/22 16:13	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/14/22 12:28	04/14/22 16:13	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/14/22 12:28	04/14/22 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/14/22 12:28	04/14/22 16:13	1

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Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

Client Sample ID: FL-7 @ 5'

Lab Sample ID: 880-13700-2

Date Collected: 04/13/22 12:55

Matrix: Solid

Date Received: 04/14/22 08:29

Sample Depth: 5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	04/14/22 12:28	04/14/22 16:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/15/22 11:08	1

Method: 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			04/15/22 12:03	1

Method: 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		04/14/22 10:12	04/14/22 22:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/14/22 10:12	04/14/22 22:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/14/22 10:12	04/14/22 22:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130			04/14/22 10:12	04/14/22 22:37	1
o-Terphenyl	99		70 - 130			04/14/22 10:12	04/14/22 22:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4850		50.4	mg/Kg			04/15/22 04:22	10

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-13700-1	FL-8 @ 5'	101	97
880-13700-2	FL-7 @ 5'	100	95
890-2177-A-25-C MS	Matrix Spike	106	94
890-2177-A-25-D MSD	Matrix Spike Duplicate	103	94
LCS 880-23511/1-A	Lab Control Sample	100	100
LCSD 880-23511/2-A	Lab Control Sample Dup	104	102
MB 880-23511/5-A	Method Blank	101	93
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-13700-1	FL-8 @ 5'	77	87
880-13700-2	FL-7 @ 5'	85	99
880-13704-A-1-B MS	Matrix Spike	90	98
880-13704-A-1-C MSD	Matrix Spike Duplicate	86	98
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-23504/2-A	Lab Control Sample	93	112
LCSD 880-23504/3-A	Lab Control Sample Dup	98	119
MB 880-23504/1-A	Method Blank	80	97
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-23511/5-A

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23511

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/14/22 12:28	04/14/22 14:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/14/22 12:28	04/14/22 14:29	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/14/22 12:28	04/14/22 14:29	1

Lab Sample ID: LCS 880-23511/1-A

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1135		mg/Kg		114	70 - 130
Toluene	0.100	0.1178		mg/Kg		118	70 - 130
Ethylbenzene	0.100	0.1048		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2159		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1012		mg/Kg		101	70 - 130

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

Lab Sample ID: LCSD 880-23511/2-A

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 23511

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1250		mg/Kg		125	70 - 130	10	35
Toluene	0.100	0.1311	*+	mg/Kg		131	70 - 130	11	35
Ethylbenzene	0.100	0.1181		mg/Kg		118	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2439		mg/Kg		122	70 - 130	12	35
o-Xylene	0.100	0.1145		mg/Kg		114	70 - 130	12	35

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

Lab Sample ID: 890-2177-A-25-C MS

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 23511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.1221		mg/Kg		122	70 - 130
Toluene	<0.00200	U *	0.0998	0.1272		mg/Kg		127	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

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

Lab Sample ID: 890-2177-A-25-C MS

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 23511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.1188		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2478		mg/Kg		124	70 - 130
o-Xylene	<0.00200	U	0.0998	0.1152		mg/Kg		115	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-2177-A-25-D MSD

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 23511

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.1014		mg/Kg		102	70 - 130	18	35
Toluene	<0.00200	U *	0.0996	0.1265		mg/Kg		127	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.0996	0.1142		mg/Kg		115	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.2272		mg/Kg		114	70 - 130	9	35
o-Xylene	<0.00200	U	0.0996	0.1069		mg/Kg		107	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-23504/1-A

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23504

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		04/14/22 10:12	04/14/22 19:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/14/22 10:12	04/14/22 19:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/14/22 10:12	04/14/22 19:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	04/14/22 10:12	04/14/22 19:53	1
o-Terphenyl	97		70 - 130	04/14/22 10:12	04/14/22 19:53	1

Lab Sample ID: LCS 880-23504/2-A

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	985.5		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	863.2		mg/Kg		86	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

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

Lab Sample ID: LCS 880-23504/2-A

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23504

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-23504/3-A

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 23504

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	993.0		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	901.3		mg/Kg		90	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: 880-13704-A-1-B MS

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 23504

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	783.6		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	727.5		mg/Kg		71	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 880-13704-A-1-C MSD

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 23504

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	713.9		mg/Kg		72	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	718.9		mg/Kg		70	70 - 130	1	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	98		70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-23532/1-A

Matrix: Solid

Analysis Batch: 23587

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			04/15/22 01:25	1

Lab Sample ID: LCS 880-23532/2-A

Matrix: Solid

Analysis Batch: 23587

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.5		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-23532/3-A

Matrix: Solid

Analysis Batch: 23587

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	250.1		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-13700-1 MS

Matrix: Solid

Analysis Batch: 23587

Client Sample ID: FL-8 @ 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3400		2480	5767		mg/Kg		96	90 - 110

Lab Sample ID: 880-13700-1 MSD

Matrix: Solid

Analysis Batch: 23587

Client Sample ID: FL-8 @ 5'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3400		2480	5751		mg/Kg		95	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

GC VOA

Analysis Batch: 23503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13700-1	FL-8 @ 5'	Total/NA	Solid	8021B	23511
880-13700-2	FL-7 @ 5'	Total/NA	Solid	8021B	23511
MB 880-23511/5-A	Method Blank	Total/NA	Solid	8021B	23511
LCS 880-23511/1-A	Lab Control Sample	Total/NA	Solid	8021B	23511
LCSD 880-23511/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	23511
890-2177-A-25-C MS	Matrix Spike	Total/NA	Solid	8021B	23511
890-2177-A-25-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	23511

Prep Batch: 23511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13700-1	FL-8 @ 5'	Total/NA	Solid	5035	
880-13700-2	FL-7 @ 5'	Total/NA	Solid	5035	
MB 880-23511/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-23511/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-23511/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2177-A-25-C MS	Matrix Spike	Total/NA	Solid	5035	
890-2177-A-25-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 23622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13700-1	FL-8 @ 5'	Total/NA	Solid	Total BTEX	
880-13700-2	FL-7 @ 5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 23493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13700-1	FL-8 @ 5'	Total/NA	Solid	8015B NM	23504
880-13700-2	FL-7 @ 5'	Total/NA	Solid	8015B NM	23504
MB 880-23504/1-A	Method Blank	Total/NA	Solid	8015B NM	23504
LCS 880-23504/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23504
LCSD 880-23504/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23504
880-13704-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	23504
880-13704-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	23504

Prep Batch: 23504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13700-1	FL-8 @ 5'	Total/NA	Solid	8015NM Prep	
880-13700-2	FL-7 @ 5'	Total/NA	Solid	8015NM Prep	
MB 880-23504/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-23504/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-23504/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-13704-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-13704-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 23645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13700-1	FL-8 @ 5'	Total/NA	Solid	8015 NM	
880-13700-2	FL-7 @ 5'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

HPLC/IC

Leach Batch: 23532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13700-1	FL-8 @ 5'	Soluble	Solid	DI Leach	
880-13700-2	FL-7 @ 5'	Soluble	Solid	DI Leach	
MB 880-23532/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23532/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23532/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-13700-1 MS	FL-8 @ 5'	Soluble	Solid	DI Leach	
880-13700-1 MSD	FL-8 @ 5'	Soluble	Solid	DI Leach	

Analysis Batch: 23587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13700-1	FL-8 @ 5'	Soluble	Solid	300.0	23532
880-13700-2	FL-7 @ 5'	Soluble	Solid	300.0	23532
MB 880-23532/1-A	Method Blank	Soluble	Solid	300.0	23532
LCS 880-23532/2-A	Lab Control Sample	Soluble	Solid	300.0	23532
LCSD 880-23532/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23532
880-13700-1 MS	FL-8 @ 5'	Soluble	Solid	300.0	23532
880-13700-1 MSD	FL-8 @ 5'	Soluble	Solid	300.0	23532

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

Client Sample ID: FL-8 @ 5'

Lab Sample ID: 880-13700-1

Date Collected: 04/13/22 12:16

Matrix: Solid

Date Received: 04/14/22 08:29

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	23511	04/14/22 12:28	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23503	04/14/22 15:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23622	04/15/22 11:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23645	04/15/22 12:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	23504	04/14/22 10:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23493	04/14/22 22:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	23532	04/14/22 13:44	SC	XEN MID
Soluble	Analysis	300.0		10			23587	04/15/22 03:56	CH	XEN MID

Client Sample ID: FL-7 @ 5'

Lab Sample ID: 880-13700-2

Date Collected: 04/13/22 12:55

Matrix: Solid

Date Received: 04/14/22 08:29

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	23511	04/14/22 12:28	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23503	04/14/22 16:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23622	04/15/22 11:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23645	04/15/22 12:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23504	04/14/22 10:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23493	04/14/22 22:37	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	23532	04/14/22 13:44	SC	XEN MID
Soluble	Analysis	300.0		10			23587	04/15/22 04:22	CH	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13700-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-13700-1	FL-8 @ 5'	Solid	04/13/22 12:16	04/14/22 08:29	5'
880-13700-2	FL-7 @ 5'	Solid	04/13/22 12:55	04/14/22 08:29	5'

- 1
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- 9
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- 11
- 12
- 13
- 14



Chain of Custody

Work Order No: 13700

Houston TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio TX (210) 509-3333
Midland TX (432-704-5440) El Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296

Hobbs, NM (505-392 / 550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813-620-2000)

www.xenco.com Page 1 of 1

Project Manager:		Jared Stoffel	Bill to (if different):	Glen Thompson
Company Name:		TRC	Company Name:	Kinder Morgan
Address:		10 Destia Dr. STE 130E	Address:	
City, State ZIP		Midland, TX 79705	City, State ZIP	
Phone:		432-238-3003	Email: Glen_Thompson@kindermorgan.com , jstoffel@trccompanies.com , Tbahu@trccompanies.com	

Work Order Comments Program: ☐ UST/ST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐ State of Project: Reporting Level I ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐ ☐ ☐ ADAPT ☐ Other Deliverables EDD	
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ANALYSIS REQUEST						Work Order Notes	
Project Name:		EPNG 3031		Turn Around			
Project Number				Routine ☐			
P.O. Number				Rush 24 HRS			
Sampler's Name:		Tania Babu		Due Date			
SAMPLE RECEIPT							
Temperature (°C)		Temp Blank.		Yes No		Wet Ice: Yes No	
Received Intact:		✓ 34.2		Thermometer ID			
Cooler Custody Seals:		Yes No		Correction Factor			
Sample Custody Seals:		Yes No		(N/A) Total Containers:			
Number of Containers							
15M)							
3021B)							
es (E300)							
TAT starts the day received by the lab, if received by 4:30pm							

[illegible]

000-13/00 Chain of Custody



Total 200.7 / 6010	200.8 / 6020:	Circle Method(s) and Metal(s) to be analyzed																										
8RCRA	13PPM	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn
TCLP / SPLP 6010	8RCRA	Sb	As	Ba	Be	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U											
		1631 / 245.1 / 7470 / 7471 Hg																										

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xencio. Its affiliates and subcontractors. It assigns standard terms and conditions of service. Xencio 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 Xencio. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xencio, 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 		4/14/22	2		
3 		8:29	4		
5			6		

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-13700-1

Login Number: 13700

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-13704-1
Client Project/Site: EPNG 3031

For:

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
4/15/2022 2:18:15 PM

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

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

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

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Laboratory Job ID: 880-13704-1

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

Job ID: 880-13704-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-13704-1****Receipt**

The samples were received on 4/14/2022 8:29 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.2°C

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-23511, 880-23511 and 880-23511 and analytical batch 880-23503 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA

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

HPLC/IC

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

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

Client Sample ID: ESW-1B @ 2.5'

Lab Sample ID: 880-13704-1

Date Collected: 04/13/22 13:30

Matrix: Solid

Date Received: 04/14/22 08:29

Sample Depth: 2.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/14/22 12:28	04/14/22 15:11	1
Toluene	<0.00199	U *	0.00199	mg/Kg		04/14/22 12:28	04/14/22 15:11	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/14/22 12:28	04/14/22 15:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/14/22 12:28	04/14/22 15:11	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/14/22 12:28	04/14/22 15:11	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/14/22 12:28	04/14/22 15:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	04/14/22 12:28	04/14/22 15:11	1
1,4-Difluorobenzene (Surr)	90		70 - 130	04/14/22 12:28	04/14/22 15:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/15/22 11:08	1

Method: 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			04/15/22 12:03	1

Method: 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		04/14/22 10:12	04/14/22 20:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/14/22 10:12	04/14/22 20:55	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/14/22 10:12	04/14/22 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	04/14/22 10:12	04/14/22 20:55	1
o-Terphenyl	84		70 - 130	04/14/22 10:12	04/14/22 20:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85.6		5.05	mg/Kg			04/15/22 04:31	1

Client Sample ID: ESW-2B @ 2.5'

Lab Sample ID: 880-13704-2

Date Collected: 04/13/22 13:40

Matrix: Solid

Date Received: 04/14/22 08:29

Sample Depth: 2.5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/14/22 12:28	04/14/22 15:32	1
Toluene	<0.00200	U *	0.00200	mg/Kg		04/14/22 12:28	04/14/22 15:32	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/14/22 12:28	04/14/22 15:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/14/22 12:28	04/14/22 15:32	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/14/22 12:28	04/14/22 15:32	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/14/22 12:28	04/14/22 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/14/22 12:28	04/14/22 15:32	1

Eurofins Midland

Client Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

Client Sample ID: ESW-2B @ 2.5'

Lab Sample ID: 880-13704-2

Date Collected: 04/13/22 13:40

Matrix: Solid

Date Received: 04/14/22 08:29

Sample Depth: 2.5'

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	98		70 - 130	04/14/22 12:28	04/14/22 15:32	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			04/15/22 11:08	1

Method: 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			04/15/22 12:03	1

Method: 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		04/14/22 10:12	04/14/22 21:56	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/14/22 10:12	04/14/22 21:56	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/14/22 10:12	04/14/22 21:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130			04/14/22 10:12	04/14/22 21:56	1
o-Terphenyl	97		70 - 130			04/14/22 10:12	04/14/22 21:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.5		5.05	mg/Kg			04/15/22 04:57	1

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-13704-1	ESW-1B @ 2.5'	105	90
880-13704-2	ESW-2B @ 2.5'	103	98
890-2177-A-25-C MS	Matrix Spike	106	94
890-2177-A-25-D MSD	Matrix Spike Duplicate	103	94
LCS 880-23511/1-A	Lab Control Sample	100	100
LCSD 880-23511/2-A	Lab Control Sample Dup	104	102
MB 880-23511/5-A	Method Blank	101	93
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-13704-1	ESW-1B @ 2.5'	77	84
880-13704-1 MS	ESW-1B @ 2.5'	90	98
880-13704-1 MSD	ESW-1B @ 2.5'	86	98
880-13704-2	ESW-2B @ 2.5'	82	97
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-23504/2-A	Lab Control Sample	93	112
LCSD 880-23504/3-A	Lab Control Sample Dup	98	119
MB 880-23504/1-A	Method Blank	80	97
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-23511/5-A

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23511

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/14/22 12:28	04/14/22 14:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/14/22 12:28	04/14/22 14:29	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/14/22 12:28	04/14/22 14:29	1

Lab Sample ID: LCS 880-23511/1-A

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23511

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1135		mg/Kg		114	70 - 130
Toluene	0.100	0.1178		mg/Kg		118	70 - 130
Ethylbenzene	0.100	0.1048		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.2159		mg/Kg		108	70 - 130
o-Xylene	0.100	0.1012		mg/Kg		101	70 - 130

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

Lab Sample ID: LCSD 880-23511/2-A

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 23511

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1250		mg/Kg		125	70 - 130	10	35
Toluene	0.100	0.1311	*+	mg/Kg		131	70 - 130	11	35
Ethylbenzene	0.100	0.1181		mg/Kg		118	70 - 130	12	35
m-Xylene & p-Xylene	0.200	0.2439		mg/Kg		122	70 - 130	12	35
o-Xylene	0.100	0.1145		mg/Kg		114	70 - 130	12	35

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

Lab Sample ID: 890-2177-A-25-C MS

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 23511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0998	0.1221		mg/Kg		122	70 - 130
Toluene	<0.00200	U *+	0.0998	0.1272		mg/Kg		127	70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

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

Lab Sample ID: 890-2177-A-25-C MS

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 23511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U	0.0998	0.1188		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	<0.00399	U	0.200	0.2478		mg/Kg		124	70 - 130
o-Xylene	<0.00200	U	0.0998	0.1152		mg/Kg		115	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-2177-A-25-D MSD

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 23511

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0996	0.1014		mg/Kg		102	70 - 130	18	35
Toluene	<0.00200	U *	0.0996	0.1265		mg/Kg		127	70 - 130	1	35
Ethylbenzene	<0.00200	U	0.0996	0.1142		mg/Kg		115	70 - 130	4	35
m-Xylene & p-Xylene	<0.00399	U	0.199	0.2272		mg/Kg		114	70 - 130	9	35
o-Xylene	<0.00200	U	0.0996	0.1069		mg/Kg		107	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

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

Lab Sample ID: MB 880-23504/1-A

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23504

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		04/14/22 10:12	04/14/22 19:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/14/22 10:12	04/14/22 19:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/14/22 10:12	04/14/22 19:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	04/14/22 10:12	04/14/22 19:53	1
o-Terphenyl	97		70 - 130	04/14/22 10:12	04/14/22 19:53	1

Lab Sample ID: LCS 880-23504/2-A

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	985.5		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	863.2		mg/Kg		86	70 - 130

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QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

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

Lab Sample ID: LCS 880-23504/2-A

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23504

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	112		70 - 130

Lab Sample ID: LCSD 880-23504/3-A

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 23504

			Spike	LCSD	LCSD				%Rec			
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	993.0		mg/Kg		99	70 - 130	1	20	
Diesel Range Organics (Over C10-C28)			1000	901.3		mg/Kg		90	70 - 130	4	20	

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: 880-13704-1 MS

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: ESW-1B @ 2.5'

Prep Type: Total/NA

Prep Batch: 23504

	Sample	Sample	Spike	MS	MS				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	783.6		mg/Kg		78	70 - 130			
Diesel Range Organics (Over C10-C28)	<49.9	U	1000	727.5		mg/Kg		71	70 - 130			

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: 880-13704-1 MSD

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: ESW-1B @ 2.5'

Prep Type: Total/NA

Prep Batch: 23504

	Sample	Sample	Spike	MSD	MSD				%Rec			
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	713.9		mg/Kg		72	70 - 130	9	20	
Diesel Range Organics (Over C10-C28)	<49.9	U	998	718.9		mg/Kg		70	70 - 130	1	20	

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	98		70 - 130

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-23532/1-A

Matrix: Solid

Analysis Batch: 23587

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			04/15/22 01:25	1

Lab Sample ID: LCS 880-23532/2-A

Matrix: Solid

Analysis Batch: 23587

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.5		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-23532/3-A

Matrix: Solid

Analysis Batch: 23587

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	250.1		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 880-13700-A-1-G MS

Matrix: Solid

Analysis Batch: 23587

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3400		2480	5767		mg/Kg		96	90 - 110

Lab Sample ID: 880-13700-A-1-H MSD

Matrix: Solid

Analysis Batch: 23587

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3400		2480	5751		mg/Kg		95	90 - 110	0	20

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

GC VOA

Analysis Batch: 23503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13704-1	ESW-1B @ 2.5'	Total/NA	Solid	8021B	23511
880-13704-2	ESW-2B @ 2.5'	Total/NA	Solid	8021B	23511
MB 880-23511/5-A	Method Blank	Total/NA	Solid	8021B	23511
LCS 880-23511/1-A	Lab Control Sample	Total/NA	Solid	8021B	23511
LCSD 880-23511/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	23511
890-2177-A-25-C MS	Matrix Spike	Total/NA	Solid	8021B	23511
890-2177-A-25-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	23511

Prep Batch: 23511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13704-1	ESW-1B @ 2.5'	Total/NA	Solid	5035	
880-13704-2	ESW-2B @ 2.5'	Total/NA	Solid	5035	
MB 880-23511/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-23511/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-23511/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2177-A-25-C MS	Matrix Spike	Total/NA	Solid	5035	
890-2177-A-25-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 23621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13704-1	ESW-1B @ 2.5'	Total/NA	Solid	Total BTEX	
880-13704-2	ESW-2B @ 2.5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 23493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13704-1	ESW-1B @ 2.5'	Total/NA	Solid	8015B NM	23504
880-13704-2	ESW-2B @ 2.5'	Total/NA	Solid	8015B NM	23504
MB 880-23504/1-A	Method Blank	Total/NA	Solid	8015B NM	23504
LCS 880-23504/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23504
LCSD 880-23504/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23504
880-13704-1 MS	ESW-1B @ 2.5'	Total/NA	Solid	8015B NM	23504
880-13704-1 MSD	ESW-1B @ 2.5'	Total/NA	Solid	8015B NM	23504

Prep Batch: 23504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13704-1	ESW-1B @ 2.5'	Total/NA	Solid	8015NM Prep	
880-13704-2	ESW-2B @ 2.5'	Total/NA	Solid	8015NM Prep	
MB 880-23504/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-23504/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-23504/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-13704-1 MS	ESW-1B @ 2.5'	Total/NA	Solid	8015NM Prep	
880-13704-1 MSD	ESW-1B @ 2.5'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 23644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13704-1	ESW-1B @ 2.5'	Total/NA	Solid	8015 NM	
880-13704-2	ESW-2B @ 2.5'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

HPLC/IC

Leach Batch: 23532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13704-1	ESW-1B @ 2.5'	Soluble	Solid	DI Leach	
880-13704-2	ESW-2B @ 2.5'	Soluble	Solid	DI Leach	
MB 880-23532/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23532/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23532/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-13700-A-1-G MS	Matrix Spike	Soluble	Solid	DI Leach	
880-13700-A-1-H MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 23587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13704-1	ESW-1B @ 2.5'	Soluble	Solid	300.0	23532
880-13704-2	ESW-2B @ 2.5'	Soluble	Solid	300.0	23532
MB 880-23532/1-A	Method Blank	Soluble	Solid	300.0	23532
LCS 880-23532/2-A	Lab Control Sample	Soluble	Solid	300.0	23532
LCSD 880-23532/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23532
880-13700-A-1-G MS	Matrix Spike	Soluble	Solid	300.0	23532
880-13700-A-1-H MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	23532

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

Client Sample ID: ESW-1B @ 2.5'

Lab Sample ID: 880-13704-1

Date Collected: 04/13/22 13:30

Matrix: Solid

Date Received: 04/14/22 08:29

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	23511	04/14/22 12:28	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23503	04/14/22 15:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23621	04/15/22 11:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23644	04/15/22 12:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23504	04/14/22 10:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23493	04/14/22 20:55	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	23532	04/14/22 13:44	SC	XEN MID
Soluble	Analysis	300.0		1			23587	04/15/22 04:31	CH	XEN MID

Client Sample ID: ESW-2B @ 2.5'

Lab Sample ID: 880-13704-2

Date Collected: 04/13/22 13:40

Matrix: Solid

Date Received: 04/14/22 08:29

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	23511	04/14/22 12:28	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23503	04/14/22 15:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23621	04/15/22 11:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23644	04/15/22 12:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23504	04/14/22 10:12	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23493	04/14/22 21:56	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	23532	04/14/22 13:44	SC	XEN MID
Soluble	Analysis	300.0		1			23587	04/15/22 04:57	CH	XEN MID

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13704-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-13704-1	ESW-1B @ 2.5'	Solid	04/13/22 13:30	04/14/22 08:29	2.5'
880-13704-2	ESW-2B @ 2.5'	Solid	04/13/22 13:40	04/14/22 08:29	2.5'

- 1
- 2
- 3
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- 7
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- 10
- 11
- 12
- 13
- 14



Chain of Custody

Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3333
Midland TX (432-704-5440) El Paso TX (915)565-3443 Lubbock, TX (806)794-1296
Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa FL (813)
Hobbs NM (575-392-1550)



880-13704 Chain of Custody

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

Work Order Comments				
Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐ State of Project: Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐ Deliverables EDD ☐ ADAPT ☐ Other ☐				

[illegible]

Total 200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO2	Na	Sr	Ti	Sn	U	V	Zn
<i>Circle Method(s) and Metal(s) to be analyzed</i>		TC1P / SPLP 6010		8RCRA	Sb	As	Ba	Be	B	Cd	Cr	Co	Cu	Pb	Mn	Mo	Ni	Se	Ag	Ti	U											
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$750.00 will be applied for each project and a charge of \$3 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.																																
		1631 / 245.1 / 7470 / 7471 Hg																														

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 <i>[Signature]</i>	<i>[Signature]</i>	4/14/22	2		
3		8:29	4		
5			6		

Revised Date 05/14/18 Rev 2018

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-13704-1

Login Number: 13704

List Source: Eurofins Midland

List Number: 1

Creator: Teel, Brianna

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-13726-1
Client Project/Site: EPNG 3031

For:

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

Attn: Jared Stoffel

A handwritten signature in black ink that reads "Jessica Kramer".

Authorized for release by:
4/15/2022 2:28:14 PM

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

LINKS

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results through
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www.eurofinsus.com/Env

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

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

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Laboratory Job ID: 880-13726-1

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Definitions/Glossary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13726-1

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

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

Eurofins Midland

Case Narrative

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13726-1

Job ID: 880-13726-1**Laboratory: Eurofins Midland****Narrative****Job Narrative
880-13726-1****Receipt**

The sample was received on 4/14/2022 2:37 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: The method blank for preparation batch 880-23504 and analytical batch 880-23493 contained <AffectedAnalytes> above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

HPLC/IC

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: EPNG 3031

Job ID: 880-13726-1

Client Sample ID: FL- 9 @5'

Lab Sample ID: 880-13726-1

Date Collected: 04/14/22 10:12

Matrix: Solid

Date Received: 04/14/22 14:37

Sample Depth: 5'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387 mg/Kg		04/14/22 16:00	04/15/22 06:49	1
Toluene	<0.000459	U	0.00201	0.000459 mg/Kg		04/14/22 16:00	04/15/22 06:49	1
Ethylbenzene	<0.000568	U	0.00201	0.000568 mg/Kg		04/14/22 16:00	04/15/22 06:49	1
m-Xylene & p-Xylene	<0.00102	U	0.00402	0.00102 mg/Kg		04/14/22 16:00	04/15/22 06:49	1
o-Xylene	<0.000346	U	0.00201	0.000346 mg/Kg		04/14/22 16:00	04/15/22 06:49	1
Xylenes, Total	<0.00102	U	0.00402	0.00102 mg/Kg		04/14/22 16:00	04/15/22 06:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/14/22 16:00	04/15/22 06:49	1
1,4-Difluorobenzene (Surr)	100		70 - 130	04/14/22 16:00	04/15/22 06:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102 mg/Kg			04/15/22 11:08	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.5	J	49.9	15.0 mg/Kg			04/15/22 12:03	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0 mg/Kg		04/14/22 16:00	04/15/22 00:20	1
Diesel Range Organics (Over C10-C28)	20.5	J B	49.9	15.0 mg/Kg		04/14/22 16:00	04/15/22 00:20	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0 mg/Kg		04/14/22 16:00	04/15/22 00:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130	04/14/22 16:00	04/15/22 00:20	1
o-Terphenyl	79		70 - 130	04/14/22 16:00	04/15/22 00:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	925		25.0	4.28 mg/Kg			04/14/22 23:22	5

Eurofins Midland

Surrogate Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13726-1

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
880-13634-A-1-F MS	Matrix Spike	99	99
880-13634-A-1-G MSD	Matrix Spike Duplicate	106	85
880-13726-1	FL- 9 @5'	100	100
LCS 880-23536/21-A	Lab Control Sample	102	100
LCSD 880-23536/22-A	Lab Control Sample Dup	101	100
MB 880-23511/5-A	Method Blank	101	93
MB 880-23536/25-A	Method Blank	99	92
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-13704-A-1-B MS	Matrix Spike	90	98
880-13704-A-1-C MSD	Matrix Spike Duplicate	86	98
880-13726-1	FL- 9 @5'	71	79
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-23504/2-A	Lab Control Sample	93	112
LCSD 880-23504/3-A	Lab Control Sample Dup	98	119
MB 880-23504/1-A	Method Blank	80	97
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13726-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-23511/5-A

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23511

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385 mg/Kg		04/14/22 12:28	04/14/22 14:29	1
Toluene	<0.000456	U	0.00200	0.000456 mg/Kg		04/14/22 12:28	04/14/22 14:29	1
Ethylbenzene	<0.000565	U	0.00200	0.000565 mg/Kg		04/14/22 12:28	04/14/22 14:29	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101 mg/Kg		04/14/22 12:28	04/14/22 14:29	1
o-Xylene	<0.000344	U	0.00200	0.000344 mg/Kg		04/14/22 12:28	04/14/22 14:29	1
Xylenes, Total	<0.00101	U	0.00400	0.00101 mg/Kg		04/14/22 12:28	04/14/22 14:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/14/22 12:28	04/14/22 14:29	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/14/22 12:28	04/14/22 14:29	1

Lab Sample ID: MB 880-23536/25-A

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23536

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385 mg/Kg		04/14/22 14:18	04/15/22 01:01	1
Toluene	<0.000456	U	0.00200	0.000456 mg/Kg		04/14/22 14:18	04/15/22 01:01	1
Ethylbenzene	<0.000565	U	0.00200	0.000565 mg/Kg		04/14/22 14:18	04/15/22 01:01	1
m-Xylene & p-Xylene	<0.00101	U	0.00400	0.00101 mg/Kg		04/14/22 14:18	04/15/22 01:01	1
o-Xylene	<0.000344	U	0.00200	0.000344 mg/Kg		04/14/22 14:18	04/15/22 01:01	1
Xylenes, Total	<0.00101	U	0.00400	0.00101 mg/Kg		04/14/22 14:18	04/15/22 01:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	04/14/22 14:18	04/15/22 01:01	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/14/22 14:18	04/15/22 01:01	1

Lab Sample ID: LCS 880-23536/21-A

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23536

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09049		mg/Kg		90	70 - 130
Toluene	0.100	0.09379		mg/Kg		94	70 - 130
Ethylbenzene	0.100	0.09737		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	0.200	0.1940		mg/Kg		97	70 - 130
o-Xylene	0.100	0.1008		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: LCSD 880-23536/22-A

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 23536

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.08656		mg/Kg		87	70 - 130	4	35

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13726-1

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

Lab Sample ID: LCSD 880-23536/22-A

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 23536

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08862		mg/Kg		89	70 - 130	6	35
Ethylbenzene	0.100	0.09222		mg/Kg		92	70 - 130	5	35
m-Xylene & p-Xylene	0.200	0.1839		mg/Kg		92	70 - 130	5	35
o-Xylene	0.100	0.09558		mg/Kg		96	70 - 130	5	35

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

Lab Sample ID: 880-13634-A-1-F MS

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 23536

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.000601	J F2 F1	0.0994	0.1010		mg/Kg		101	70 - 130
Toluene	<0.000454	U	0.0994	0.09057		mg/Kg		91	70 - 130
Ethylbenzene	0.0165	F1	0.0994	0.07807	F1	mg/Kg		62	70 - 130
m-Xylene & p-Xylene	0.00764	F1	0.199	0.1610		mg/Kg		77	70 - 130
o-Xylene	0.0220	F1	0.0994	0.07731	F1	mg/Kg		56	70 - 130

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

Lab Sample ID: 880-13634-A-1-G MSD

Matrix: Solid

Analysis Batch: 23503

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 23536

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.000601	J F2 F1	0.101	0.05786	F2 F1	mg/Kg		57	70 - 130	54	35
Toluene	<0.000454	U	0.101	0.07499		mg/Kg		74	70 - 130	19	35
Ethylbenzene	0.0165	F1	0.101	0.06157	F1	mg/Kg		45	70 - 130	24	35
m-Xylene & p-Xylene	0.00764	F1	0.202	0.1231	F1	mg/Kg		57	70 - 130	27	35
o-Xylene	0.0220	F1	0.101	0.05409	F1	mg/Kg		32	70 - 130	35	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	85		70 - 130

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

Lab Sample ID: MB 880-23504/1-A

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23504

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0 mg/Kg		04/14/22 10:12	04/14/22 19:53	1

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13726-1

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

Lab Sample ID: MB 880-23504/1-A

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23504

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	19.83	J	50.0	15.0 mg/Kg		04/14/22 10:12	04/14/22 19:53	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0 mg/Kg		04/14/22 10:12	04/14/22 19:53	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130			04/14/22 10:12	04/14/22 19:53	1
o-Terphenyl	97		70 - 130			04/14/22 10:12	04/14/22 19:53	1

Lab Sample ID: LCS 880-23504/2-A

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23504

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	985.5		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	863.2		mg/Kg		86	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	93		70 - 130				
o-Terphenyl	112		70 - 130				

Lab Sample ID: LCSD 880-23504/3-A

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 23504

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	993.0		mg/Kg		99	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	901.3		mg/Kg		90	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	98		70 - 130						
o-Terphenyl	119		70 - 130						

Lab Sample ID: 880-13704-A-1-B MS

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 23504

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	1000	783.6		mg/Kg		78	70 - 130
Diesel Range Organics (Over C10-C28)	20.5	J B	1000	727.5		mg/Kg		71	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	90		70 - 130						
o-Terphenyl	98		70 - 130						

Eurofins Midland

QC Sample Results

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13726-1

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

Lab Sample ID: 880-13704-A-1-C MSD

Matrix: Solid

Analysis Batch: 23493

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 23504

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	<15.0	U	998	713.9		mg/Kg		72	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	20.5	J B	998	718.9		mg/Kg		70	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	86		70 - 130								
o-Terphenyl	98		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-23553/1-A

Matrix: Solid

Analysis Batch: 23588

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858 mg/Kg			04/14/22 21:22	1

Lab Sample ID: LCS 880-23553/2-A

Matrix: Solid

Analysis Batch: 23588

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	248.2		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-23553/3-A

Matrix: Solid

Analysis Batch: 23588

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	247.7		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 880-13725-A-21-C MS

Matrix: Solid

Analysis Batch: 23588

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	85.8		248	335.1		mg/Kg		101	90 - 110

Lab Sample ID: 880-13725-A-21-D MSD

Matrix: Solid

Analysis Batch: 23588

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	85.8		248	322.7		mg/Kg		96	90 - 110	4	20

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13726-1

GC VOA

Analysis Batch: 23503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13726-1	FL- 9 @5'	Total/NA	Solid	8021B	23536
MB 880-23511/5-A	Method Blank	Total/NA	Solid	8021B	23511
MB 880-23536/25-A	Method Blank	Total/NA	Solid	8021B	23536
LCS 880-23536/21-A	Lab Control Sample	Total/NA	Solid	8021B	23536
LCSD 880-23536/22-A	Lab Control Sample Dup	Total/NA	Solid	8021B	23536
880-13634-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	23536
880-13634-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	23536

Prep Batch: 23511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-23511/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 23536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13726-1	FL- 9 @5'	Total/NA	Solid	5035	
MB 880-23536/25-A	Method Blank	Total/NA	Solid	5035	
LCS 880-23536/21-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-23536/22-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-13634-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
880-13634-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 23635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13726-1	FL- 9 @5'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 23493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13726-1	FL- 9 @5'	Total/NA	Solid	8015B NM	23504
MB 880-23504/1-A	Method Blank	Total/NA	Solid	8015B NM	23504
LCS 880-23504/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23504
LCSD 880-23504/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23504
880-13704-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	23504
880-13704-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	23504

Prep Batch: 23504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13726-1	FL- 9 @5'	Total/NA	Solid	8015NM Prep	
MB 880-23504/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-23504/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-23504/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-13704-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-13704-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 23647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13726-1	FL- 9 @5'	Total/NA	Solid	8015 NM	

Eurofins Midland

QC Association Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13726-1

HPLC/IC

Leach Batch: 23553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13726-1	FL- 9 @5'	Soluble	Solid	DI Leach	
MB 880-23553/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23553/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23553/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-13725-A-21-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-13725-A-21-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 23588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-13726-1	FL- 9 @5'	Soluble	Solid	300.0	23553
MB 880-23553/1-A	Method Blank	Soluble	Solid	300.0	23553
LCS 880-23553/2-A	Lab Control Sample	Soluble	Solid	300.0	23553
LCSD 880-23553/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23553
880-13725-A-21-C MS	Matrix Spike	Soluble	Solid	300.0	23553
880-13725-A-21-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	23553

Lab Chronicle

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13726-1

Client Sample ID: FL- 9 @5'
Date Collected: 04/14/22 10:12
Date Received: 04/14/22 14:37

Lab Sample ID: 880-13726-1
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			4.97 g	5 mL	23536	04/14/22 16:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23503	04/15/22 06:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23635	04/15/22 11:08	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23647	04/15/22 12:03	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	23504	04/14/22 16:00	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23493	04/15/22 00:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23553	04/14/22 17:06	SC	XEN MID
Soluble	Analysis	300.0		5			23588	04/14/22 23:22	CH	XEN MID

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

Accreditation/Certification Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13726-1

Laboratory: Eurofins Midland

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

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

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

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

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

Method Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13726-1

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: TRC Solutions, Inc.
Project/Site: EPNG 3031

Job ID: 880-13726-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-13726-1	FL- 9 @5'	Solid	04/14/22 10:12	04/14/22 14:37	5'

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



Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440 San Antonio, TX (210) 509-3333
El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: 13724

www.xenco.com Page 1 of 1

Project Manager:	Jared Stoffel		Bill to: (if different)	Glen Thompson
Company Name:	TRC		Company Name:	Kinder Morgan
Address:	10 Destia Dr. STE130E		Address:	TRCone inc companies corp
City, State ZIP:	Midland, TX 79705		City, State ZIP:	1306110 trc companies corp
Phone:	432-236-3003		Email:	Glen-Thompson@kindermorgan.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	

[illegible]

Chain of Custody

Login Sample Receipt Checklist

Client: TRC Solutions, Inc.

Job Number: 880-13726-1

Login Number: 13726

List Source: Eurofins Midland

List Number: 1

Creator: Rodriguez, Leticia

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



505 East Huntland Dr.
Suite 250
Austin, TX 78752

T 512.329.6080
TRCcompanies.com

Appendix C: New Mexico Oil Conservation District Form C-141

Form C-141

State of New Mexico
Oil Conservation Division

Page 3

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	60 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

Form C-141

State of New Mexico

Page 4

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: G. D THOMPSON Title: ENGINEER - EHS SR.
Signature: [Signature] Date: 06/03/2022
email: glen.thompson@kindermorgan.com Telephone: 432-333-5518

OCD Only

Received by: _____ Date: _____

Form C-141

State of New Mexico

Page 6

Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: G. D. THOMPSON Title: ENGINEER - EHS SR.
Signature: [Signature] Date: 06/03/2022
email: glen.thompson@kindermergan.com Telephone: 432-333-5518

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 113511

CONDITIONS

Operator: El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	OGRID: 7046
	Action Number: 113511
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	6/7/2022