



SITE CHARACTERIZATION REMEDIATION PLAN

**Neff 13 Federal #011
Eddy County, New Mexico
Incident Number nAPP2227367047**

**Prepared for:
Chevron USA, Inc.**

Carlsbad • Houston • Midland • San Antonio • Lubbock • Hobbs • Lafayette



SYNOPSIS

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Chevron USA, Inc. (Chevron), presents the following Site Characterization Remediation Plan (SCRP) detailing a scope of work to address soil impacts from an inadvertent release of unknown substance at the Neff 13 Federal #011 (Site). Based on delineation laboratory analytical results, Chevron proposes this SCRPA, which details remediation objectives to rectify environmental impacts at the Site.

SITE LOCATION AND RELEASE BACKGROUND

The Site is located in Unit G, Section 13, Township 22 South, Range 31 East, in Eddy County, New Mexico (32.393379°, -103.730022°) and is associated with oil and gas exploration and production operations on Federal Land managed by the Bureau of Land Management (**Figure 1** in **Appendix A**).

On September 15, 2022, an illegal dumping on a Chevron lease road resulted in approximately 25 barrels (bbls) of an unknown substance on the lease road and adjacent pasture. No Fluids were recovered. Chevron immediately reported the release to the NMOCD (Mr. Mike Bratcher) via email on September 16, 2022, and on a Release Notification and Corrective Action Form C-141 (Form C-141), which was received by the NMOCD on September 30, 2022, and was subsequently assigned Incident Number nAPP2227367047. **Figure 2** in **Appendix A** depicts the observed release area, hereafter referred to as the Area of Concern (AOC).

On February 2, 2024, Etech conducted initial excavation activities to remove identified impacts from the eastern most area of the AOC. Approximately 9 cubic yards of impacted soil was excavated and temporarily placed on a plastic liner on the Site well pad and will be hauled to a nearby disposal facility upon completion of the remainder of the excavation as outlined in this SCRPA.

On August of 2024, Chevron received access approval from the BLM for clearance to investigate and address soil impacts off pad.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Etech characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC) considering depth to groundwater and the proximity to:

- Any continuously flowing watercourse or any other significant watercourse;
- Any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark);
- An occupied permanent residence, school, hospital, institution or church;
- A spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes;
- Any freshwater well or spring;
- Incorporated municipal boundaries or a defined municipal fresh water well field covered under a municipal ordinance;
- A wetland;
- A subsurface mine;
- An unstable area (i.e. high karst potential); and
- A 100-year floodplain.

The closest water well with data is New Mexico Office of the State Engineer (NMOSE) well C-04144 POD 9, located approximately 0.71-mile northeast of the Site. The well boring was reported dry up to the terminus depth of 63 feet below ground surface (bgs) in 2018. Based on this information and findings from the regional water well review, groundwater depth at the Site is estimated to be between 51-100 feet



bgs. The well record referenced for depth to groundwater determination at the Site is included in **Appendix C**.

All other potential receptors are not within the established buffers in NMAC 19.15.29.12. Receptor details and sources used to determine the site characterization are included in Figure 1 in Appendix A.

The Site is located within a low karst potential area and all other potential receptors are not within the established buffers defined in NMAC 19.15.29.12. Receptor details from the site characterization are included in **Figure 1B** and **Figure 1C** in **Appendix A**.

Based on the results from the desktop review at the Site and distance of the well with available water data, the following Closure Criteria is applied:

Constituents of Concern (COCs)	Laboratory Analytical Method	Closure Criteria [†]
Chloride	Environmental Protection Agency (EPA) 300.0	600 milligram per kilogram (mg/kg)
Total Petroleum Hydrocarbon (TPH)	EPA 8015 M/D	100 mg/kg
TPH-Gasoline Range Organics (GRO)+ TPH-Deisel Range Organics (DRO)	EPA 8015 M/D	-
Benzene	EPA 8260B	10 mg/kg
Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA 8260B	50 mg/kg

[†]The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

INITIAL CORRECTIVE ACTION AND SOIL SAMPLING ACTIVITIES

Between February 5, 2024, and March 9, 2024, Etech conducted initial and follow up excavation activities to remove identified impacts from the eastern most area of the AOC. Approximately 9 cubic yards of impacted soil was excavated. Etech collected 5-point composite confirmation soil samples representing no greater than 200 square feet from the floors (Floor Sample 1, Floor Sample 2 and Bottom Hole-3) and sidewalls (North Sidewall, East Sidewall and South Sidewall). The 5-point composite soil samples were comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. Confirmation soils samples were field screened for volatile organic compounds (VOCs) utilizing a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. The locations of the confirmation soil samples are shown in **Figure 2** in **Appendix A**.

Excavation soil samples were placed directly into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Eurofins Environment Testing South Central, LLC (Eurofins) in Midland, Texas, for analysis of COCs.

EXCAVATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated COC concentrations were below the Site Closure Criteria for all final confirmation samples.

Laboratory analytical results are summarized in **Table 1** as **Attachment E**, and the complete laboratory reports with chain-of-custody documentation is included as **Attachment F**.



DELINEATION SOIL SAMPLING ACTIVITIES

Between May 30, 2024, and October 18, 2024, Etech conducted delineation activities to assess the presence or absence of residual impacts associated with the AOC. Nineteen boreholes (BH01 through BH19) were advanced within and around the AOC via hand auger which were driven by field screening soil samples for VOCs using a PID and chloride using Hach® chloride QuanTab® test strips. A minimum of two soil samples per delineation sampling location were collected for laboratory analysis, representing the highest observed field screened concentrations and the greatest depth. Field screening results and soil descriptions were denoted on soil sampling logs, which are included as **Appendix C**. The locations of the delineation soil samples were mapped with a handheld GPS unit and are shown in **Figure 3** in **Appendix A**. Photographic documentation during delineation activities is included in **Appendix D**.

Delineation soil samples were placed directly into lab provided pre-cleaned glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples were transported under strict chain-of-custody procedures, to Envirotech Analytical Laboratory (Envirotech) in Farmington, New Mexico, for analysis of COCs.

DELINEATION LABORATORY ANALYTICAL RESULTS

Laboratory analytical results indicated COCs concentrations were below the Site Closure Criteria, however, soil samples BH02, BH04 and BH05 exceeded the reclamation standard at 0.5-foot bgs.

Laboratory analytical results are summarized in **Table 1** as **Attachment E**, and the complete laboratory reports with chain-of-custody documentation is included as **Attachment F**.

PROPOSED REMEDIATION PLAN

Based on the delineation soil sample laboratory analytical results, the following conclusions regarding the release are presented:

- Based on laboratory analytical results, BTEX and benzene concentrations were below the Site Closure Criteria for all analyzed soil samples, however, chloride concentrations exceedances above the reclamation standard were present within the AOC, specifically within proximity to delineation soil sampling locations BH02, BH04 and BH05 located in the pasture. TPH concentrations were below the laboratory detection threshold for all other delineation soil samples.
- Concentrations of all COCs for the terminus delineation soil samples from each sampling location were below the applicable Site Closure Criteria, providing sufficient vertical delineation.
- Horizontal delineation was achieved through delineation soil sampling locations collected outside the AOC.

Based on the conclusion drawn above, Chevron proposes the following remedial corrective actions:

- Based off delineation laboratory analytical results, Chevron proposes to excavate up to 1-foot bgs within proximity of delineation soil sampling locations BH02, BH04 and BH05 (minimum of 35 cubic yards). The excavation(s) will extend laterally until the concentrations of the COCs for confirmation soil sample results are in accordance with the applicable Site Closure Criteria. The proposed excavation(s) are presented on **Figure 2** in **Appendix A**.
 - i. Confirmation sampling frequency will represent a maximum of 200 square feet per soil sample collected from the excavation floor and sidewalls. The 5-point excavation confirmation soil samples will be comprised of five equivalent aliquots homogenized in a 1-gallon, resealable plastic bag. The samples will be placed into lab provided pre-cleaned



glass jars, packaged with minimal void space, labeled, and immediately placed on ice. The soil samples will be transported under strict chain-of-custody procedures to an accredited laboratory and analyzed for COCs.

- The proposed excavation(s) may require third-party operator oversight and additional safety measures near their respective subsurface pipelines before or during excavation activities. In which case, Chevron and/or the third-party operator may implement additional safety precautions above encroachment guidelines at their company's discretion for the health and safety of on-site personnel and for the structural integrity of utilities. Such restrictions include but are not limited to:
 - i. Shifting the proposed excavation extent(s) to adhere to established buffer zone(s) around one or more utilities.
 - ii. Inducing a change in proposed excavation(s) depth(s) around one or more utilities.
- Upon receipt and review of excavation confirmation soil sample laboratory analytical results, Chevron will determine the appropriate measure of corrective actions that will include:
 - i. Documenting the removal of impacted soil at the Site with a subsequent report detailing assessment, sampling activities, and Site restoration activities including, but not limited to backfilling the excavation with lean, locally sourced soil and restoring it to "as close to its original state as possible."
 - or -
 - ii. Preparing a SCRP addendum detailing the next course of remedial actions to address the presence of any remaining soil impacts at the Site, based off an estimated lateral and vertical extent of impacted soil from soil sampling activities.

Chevron believes this SCRP will meet requirements set forth in NMAC 19.15.29.13 and be a balanced protection of human health, the environment and groundwater. As such, Chevron respectfully requests approval of this SCRP from NMOCD. Documentation of correspondence and notifications regarding Incident Number nAPP2227367047 is presented as **Appendix G**.

If you have any questions or comments, please do not hesitate to contact Joseph Hernandez at (281) 702-2329 or joseph@etechenv.com or Erick Herrera at (432) 305-6416 or erick@etechenv.com.

Sincerely,

eTECH Environmental and Safety Solutions, Inc.

Abraham Valladares
Project Coordinator

Joseph S. Hernandez
Senior Managing Geologist

cc: Amy Barnhill, Chevron
New Mexico Oil Conservation Division
Bureau of Land Management



Appendices:

Appendix A: Figure 1: Site Map

Figure 1A: Site Characterization – Groundwater

Figure 1B: Site Characterization – Surface Receptors

Figure 1C: Site Characterization – Subsurface Receptors

Figure 2: Delineation Soil Sample Locations

Figure 3: Proposed Excavation Area

Appendix B: Referenced Well Records

Appendix C: Soil Sampling Logs

Appendix D: Photographic Log

Appendix E: Tables

Appendix F: Laboratory Analytical Reports & Chain-of-Custody Documentation

Appendix G: Correspondence & Notifications

APPENDIX A

Figures

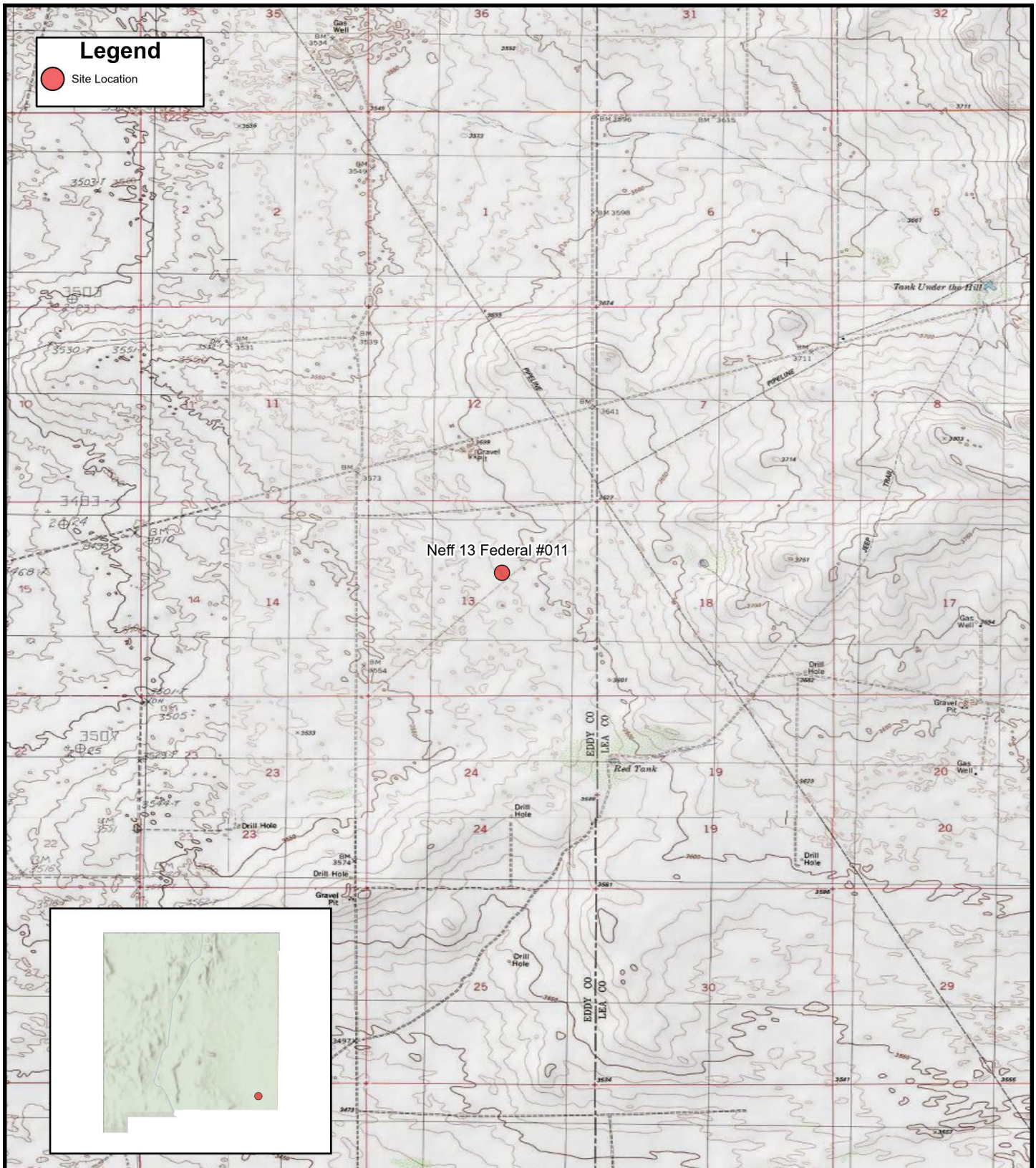


FIGURE 1

Site Location Map

Chevron USA, Inc.
Neff 13 Federal #011
Unit G Sec 13 T22S R31E
Eddy County, New Mexico



0 2,000 4,000 Feet

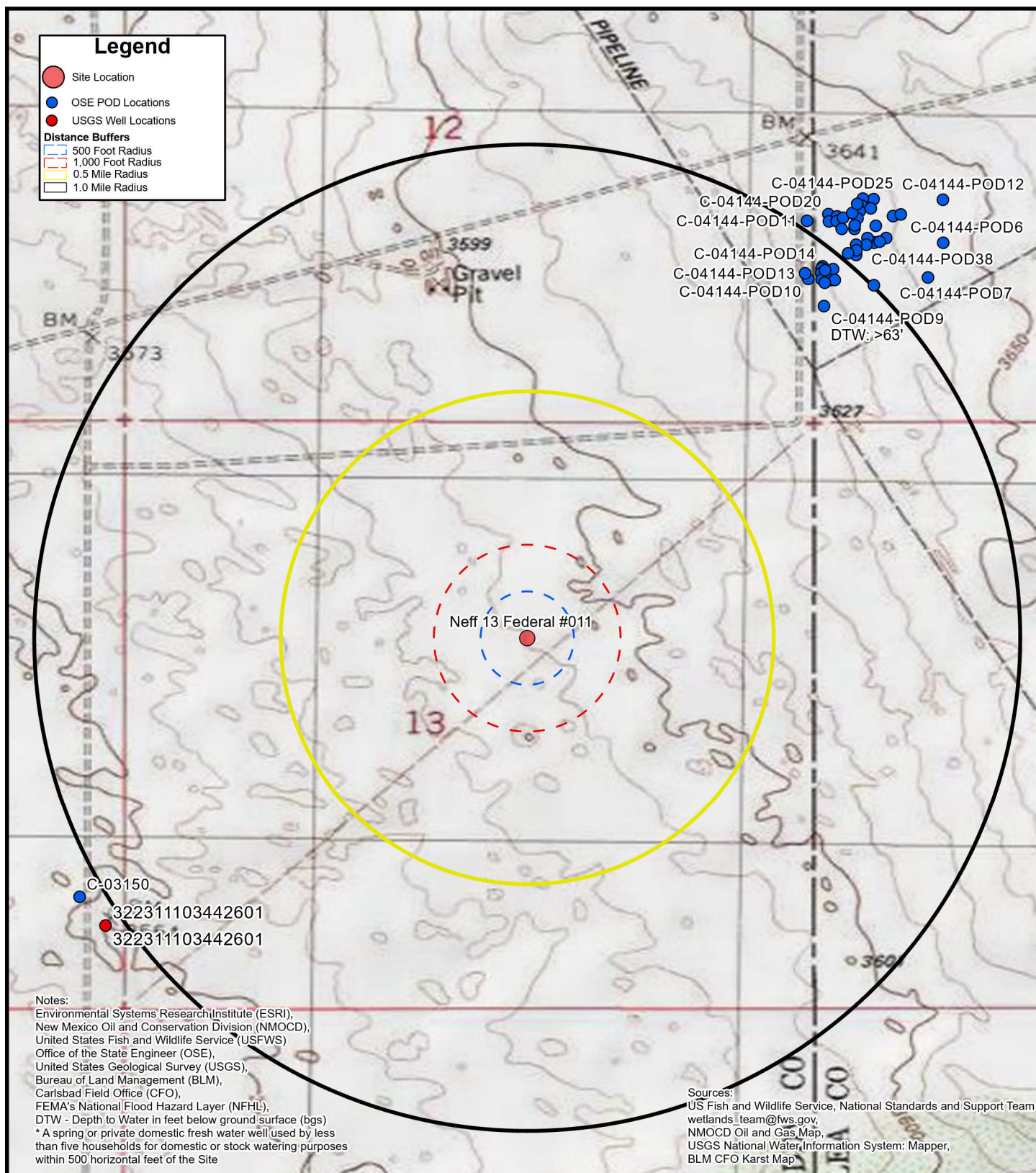
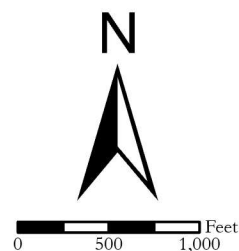
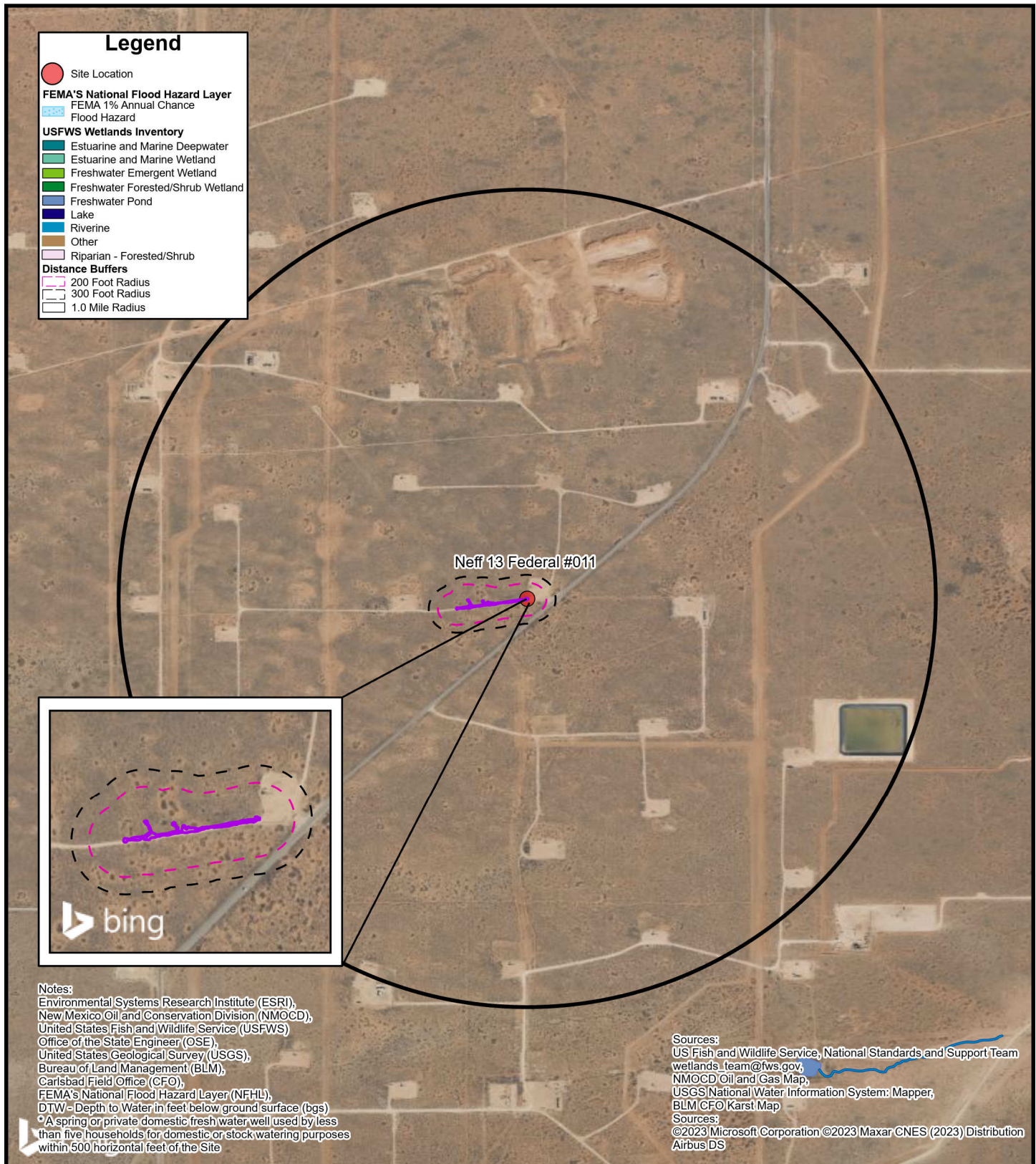
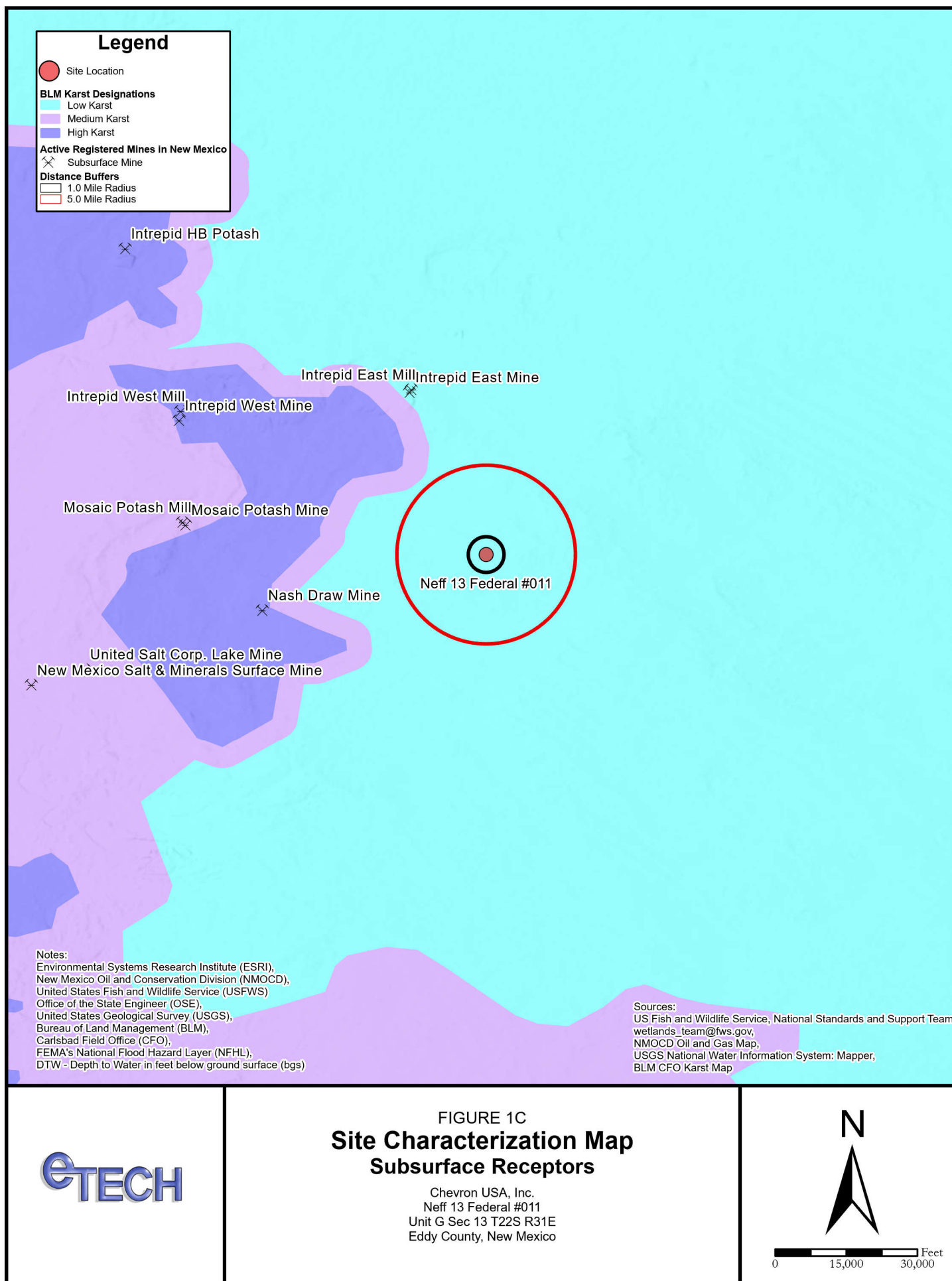


FIGURE 1A
**Site Characterization Map
 Groundwater**

Chevron USA, Inc.
 Neff 13 Federal #011
 Unit G Sec 13 T22S R31E
 Eddy County, New Mexico







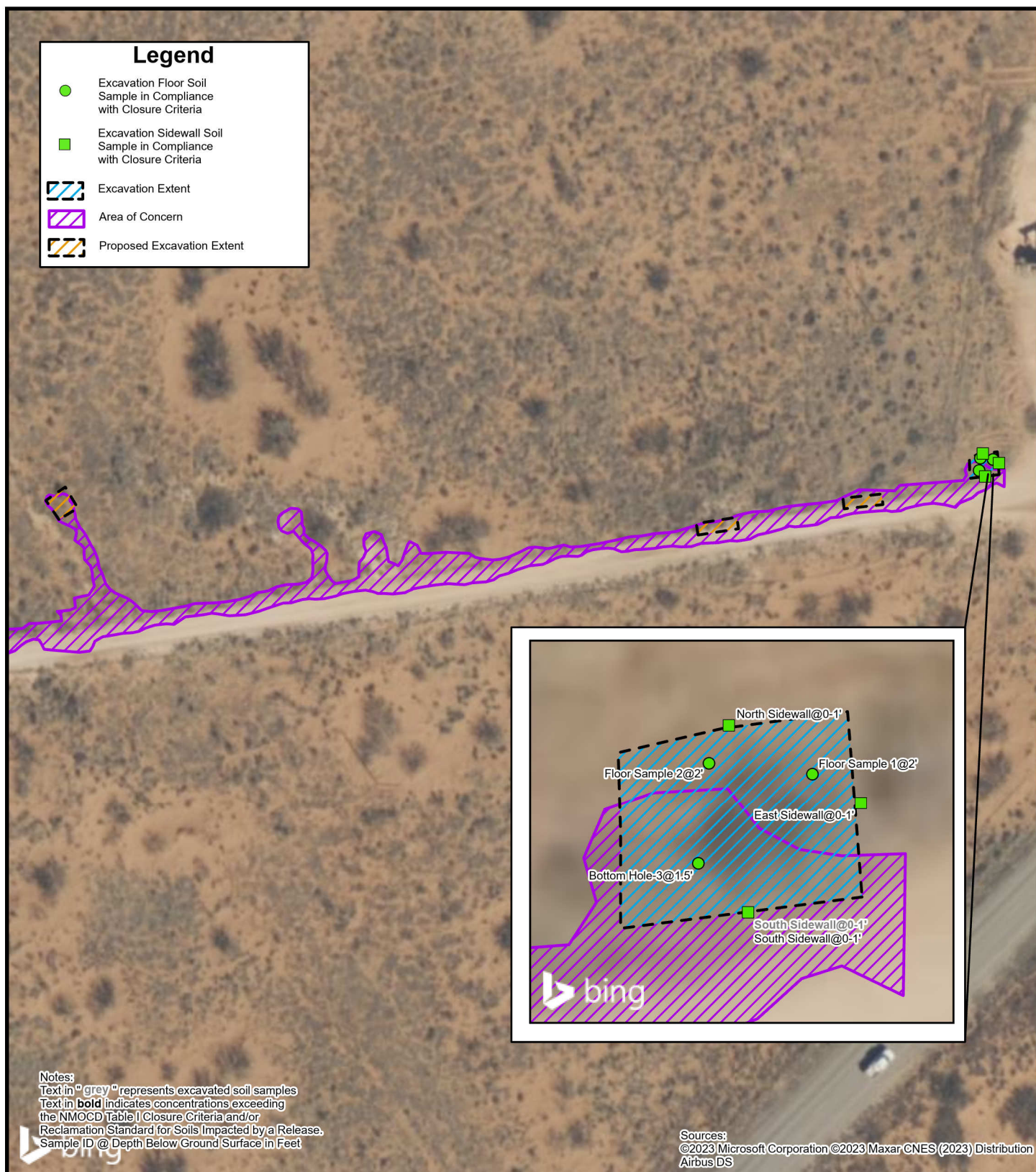


FIGURE 2

Remediation Areas

Chevron USA, Inc.
 Neff 13 Federal #011
 Unit G Sec 13 T22S R31E
 Eddy County, New Mexico

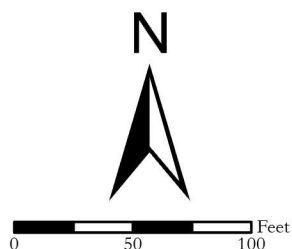




FIGURE 3

Delineation Soil Sample Locations

Chevron USA, Inc.
 Neff 13 Federal #011
 Unit G Sec 13 T22S R31E
 Eddy County, New Mexico



0 80 160 Feet

APPENDIX B

Referenced Well Records

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213





WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2018 SEP 10 PM 1:27

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD9		WELL TAG ID NO. MW-8		OSE FILE NO(S). C-4144			
	WELL OWNER NAME(S) EOG RESOURCES - CONTACT JAMES KENNEDY				PHONE (OPTIONAL) 432-258-4346			
	WELL OWNER MAILING ADDRESS 5509 CHAMPIONS DRIVE				CITY MIDLAND	STATE TX	ZIP 79706	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 24	SECONDS 5.71 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE JUST EAST OF CAMPBELL RD. GENERAL SITE COORDINATES ARE 32.402374, -103.722648								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD 1767		NAME OF LICENSED DRILLER MARC HAES			NAME OF WELL DRILLING COMPANY AUTHENTIC DRILLING, INC.		
	DRILLING STARTED 8/11/2018 8:15	DRILLING ENDED 8/11/2018 9:55	DEPTH OF COMPLETED WELL (FT) 63	BORE HOLE DEPTH (FT) 65	DEPTH WATER FIRST ENCOUNTERED (FT) NO WATER ENCOUNTERED			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) NO WATER ENCOUNTERED			
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	43	6	PVC, SCHED 40, RISER	FLUSH	2.067	0.154	
	43	63	6	PVC, SCHED 40, SCREEN	FLUSH	2.067	0.154	0.010
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	39	6	CEMENT-BENTONITE SLURRY	6.5	TREMIE		
	39	41	6	HYDRATED BENTONITE CHIPS (PLUG)	.3	POUR < 20 DRY		
	41	63	6	SILICA SAND PACK 10/20 GRADE	3.6	TREMIE		

FOR OSE INTERNAL USE				WR-20 WELL RECORD & LOG (Version 06/30/17)	
FILE NO.	C-4144	POD NO.	9	TRN NO.	429437
LOCATION	Mon	225.32E.7-331	WELL TAG ID NO.		PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

FOR OSE INTERNAL USE

Tom Blaine, P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

STATE OF NEW MEXICO

Trn Nbr: 629437
File Nbr: C 04144
Well File Nbr: C 04144 POD9

OFFICE OF THE STATE ENGINEER

Sep. 18, 2018

ALAN BRANDON
GHD SERVICES INC.
6121 INDIAN SCHOOL RD NE
ALBUQUERQUE, NM 87110

Greetings:

The above numbered permit was issued in your name on 07/30/2018.

The Well Record was received in this office on 09/10/2018, stating that it had been completed on 08/11/2018, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 07/31/2019.

If you have any questions, please feel free to contact us.

Sincerely,

A handwritten signature in cursive script, appearing to read "Yolanda Mendiola".

Yolanda Mendiola
(575) 622-6521


drywell


APPENDIX C


Soil Sampling Logs


P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213





								Sample Name: BH01		Date: 05/30/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Hand Auger					
Site Coordinates: 32.393087, -103.732113								Hole Diameter: 3.75 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	284	0	No	BH01	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor. (0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<124	0	No	BH01	1	1	SP-SM								
Total Depth															


								Sample Name: BH02		Date: 05/30/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Hand Auger					
Site Coordinates: 32.393324, -103.731783								Hole Diameter: 3.75 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	220	0	No	BH02	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor.							
								(0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<124	0	No	BH02	1	1	SP-SM								
Total Depth															
<div style="position: absolute; top: 0; right: 0; width: 100%; height: 100%; border-left: 1px solid black; border-bottom: 1px solid black;"></div>															


								Sample Name: BH03		Date: 05/30/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Hand Auger					
Site Coordinates: 32.393304, -103.731358								Hole Diameter: 3.75 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<124	0	No	BH03	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor. (0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<124	0	No	BH03	1	1	SP-SM								
Total Depth															


								Sample Name: BH04		Date: 05/30/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Hand Auger					
Site Coordinates: 32.393288, -103.730539								Hole Diameter: 3.75 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<124	0	No	BH04	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor.							
								(0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<124	0	No	BH04	1	1	SP-SM								
Total Depth															
<div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 0; left: 0; bottom: 0; right: 0; border: 1px solid black; transform: rotate(45deg); transform-origin: center;"></div> </div>															


								Sample Name: BH05		Date: 05/30/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: EK		Method: Hand Auger					
Site Coordinates: 32.393332, -103.730261								Hole Diameter: 3.75 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	284	0	No	BH05	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor.							
								(0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<124	0	No	BH05	1	1	SP-SM								
Total Depth															
<div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 0; right: 0; width: 100%; height: 100%; border-left: 2px solid black; border-bottom: 2px solid black;"></div> </div>															


								Sample Name: BH06		Date: 10/17/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: HB		Method: Shovel					
Site Coordinates: 32.393080, -103.732262								Hole Diameter: 5 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<116	0.0	No	BH06	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor.							
								(0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<116	0.0	No	BH06	1	1	SP-SM								
Total Depth															
<div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 0; right: 0; width: 100%; height: 100%; border-left: 2px solid black; border-bottom: 2px solid black;"></div> </div>															


								Sample Name: BH07		Date: 10/17/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: HB		Method: Shovel					
Site Coordinates: 32.393192, -103.731933								Hole Diameter: 5 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<116	0.0	No	BH07	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor.							
								(0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<116	0.0	No	BH07	1	1	SP-SM								
Total Depth															


								Sample Name: BH08		Date: 10/17/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: HB		Method: Shovel					
Site Coordinates: 32.393441, -103.731797								Hole Diameter: 5 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<116	0.0	No	BH08	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor.							
								(0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<116	0.0	No	BH08	1	1	SP-SM								
Total Depth															
<div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 0; right: 0; width: 100%; height: 100%; border-left: 2px solid black; border-bottom: 2px solid black;"></div> </div>															


								Sample Name: BH09		Date: 10/17/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: HB		Method: Shovel					
Site Coordinates: 32.393214, -103.731582								Hole Diameter: 5 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<116	0.0	No	BH09	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor.							
								(0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<116	0.0	No	BH09	1	1	SP-SM								
Total Depth															
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								Sample Name: BH10		Date: 10/17/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: HB		Method: Shovel					
Site Coordinates: 32.393399, -103.731366								Hole Diameter: 5 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<116	0.0	No	BH10	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor.							
								(0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<116	0.0	No	BH10	1	1	SP-SM								
Total Depth															


								Sample Name: BH11		Date: 10/17/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: HB		Method: Shovel					
Site Coordinates: 32.393317, -103.731142								Hole Diameter: 5 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<116	0.0	No	BH11	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor.							
								(0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<116	0.0	No	BH11	1	1	SP-SM								
Total Depth															


								Sample Name: BH12		Date: 10/17/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: HB		Method: Shovel					
Site Coordinates: 32.393344, -103.730776								Hole Diameter: 5 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<116	0.9	No	BH12	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor.							
								(0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<116	0.0	No	BH12	1	1	SP-SM								
Total Depth															


								Sample Name: BH13		Date: 10/17/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: HB		Method: Shovel					
Site Coordinates: 32.393400, -103.730216								Hole Diameter: 5 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<116	1.7	No	BH13	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor.							
								(0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<116	1.5	No	BH13	1	1	SP-SM								
Total Depth															


								Sample Name: BH14		Date: 10/17/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: HB		Method: Shovel					
Site Coordinates: 32.393382, -103.729806								Hole Diameter: 5 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<116	0.0	No	BH14	0.5	0.5	CCHE	(0-1') CALICHE, dry, tan, poorly graded with silt, fine to coarse grain, no plasticity, no cohesiveness, granular, no stain, no odor.							
Dry	140	0.0	No	BH14	1	1									
Total Depth															

								Sample Name: BH15		Date: 10/18/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: HB		Method: Shovel					
Site Coordinates: 32.393264, -103.730089								Hole Diameter: 5 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<116	0.1	No	BH15	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor.							
								(0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<116	0.0	No	BH15	1	1	SP-SM								
Total Depth															
<div style="position: relative; width: 100%; height: 100%;"> <div style="position: absolute; top: 0; right: 0; width: 100%; height: 100%; border-left: 2px solid black; border-bottom: 2px solid black;"></div> </div>															

								Sample Name: BH16		Date: 10/18/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: HB		Method: Shovel					
Site Coordinates: 32.393187, -103.730615								Hole Diameter: 5 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<116	0.0	No	BH16	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor. (0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<116	0.1	No	BH16	1	1	SP-SM								
Total Depth															

								Sample Name: BH17		Date: 10/18/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: HB		Method: Shovel					
Site Coordinates: 32.393128, -103.731081								Hole Diameter: 5 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<116	0.0	No	BH17	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor. (0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<116	0.0	No	BH17	1	1	SP-SM								
Total Depth															

								Sample Name: BH18		Date: 10/18/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: HB		Method: Shovel					
Site Coordinates: 32.393076, -103.731473								Hole Diameter: 5 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<116	0.0	No	BH18	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor.							
								(0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<116	0.0	No	BH18	1	1	SP-SM								
Total Depth															

								Sample Name: BH19		Date: 10/18/2024					
								Site Name: Neff 13 Fed #11							
								Incident Number: nAPP2227367047							
								Job Number: 16740							
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: HB		Method: Shovel					
Site Coordinates: 32.392998, -103.731913								Hole Diameter: 5 inches		Total Depth: 1 foot					
Comments: Field screening conducted with HACH Chloride Test Strips and PID for chloride and vapor, respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water.															
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample ID	Sample Depth (feet bgs)	Depth (feet bgs)	USCS/Rock Symbol	Lithologic Descriptions/Notes							
Dry	<116	0.0	No	BH19	0.5	0.5	SW-SM	(0-0.5') SAND, dry, light brown, well graded with trace silt, fine - coarse grain, organic, no stain, no odor. (0.5'-1') SAND, dry, light brown, poorly graded with trace silt, very fine-fine grain, organic, no stain, no odor.							
Dry	<116	0.9	No	BH19	1	1	SP-SM								
Total Depth															

APPENDIX D

Photographic Log

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



**PHOTOGRAPHIC LOG**

Chevron USA, Inc.

Neff 13 Federal #011

Incident Number nAPP2227367047

**Photograph 1****Date: 02/05/2024**

Description: View of the Site during excavation activities.

**Photograph 2****Date: 02/05/2024**

Description: View of the Site during excavation activities.

**Photograph 3****Date: 10/17/2024**

Description: View of the Site during delineation activities.

**Photograph 4****Date: 10/17/2024**

Description: View of the Site during delineation activities.

APPENDIX E

Tables



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Chevron USA, Inc.
Neff 13 Federal #011
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
Excavation Soil Samples - Incident Number nAPP2227367047									
Floor Sample 1	02/05/2024	2	<0.00198	<0.00396	<49.6	<49.6	<49.6	<49.6	98.5
Floor Sample 2	02/05/2024	2	<0.00202	<0.00403	<50.5	<50.5	<50.5	<50.5	66.7
Bottom Hole-3	03/09/2024	1.5	<0.00198	<0.00396	<50.0	61.6	<50.0	61.6	75.3
North Sidewall	02/05/2024	0-1	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	184
East Sidewall	02/05/2024	0-1	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	210
South Sidewall	02/05/2024	0-1	<0.00199	<0.00398	<50.0	1,110	<50.0	1,110	67.7
South Sidewall	03/09/2024	0.1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	72.8
Delineation Soil Samples - Incident Number nAPP2227367047									
BH01	05/30/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	344
BH01	05/30/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	34.6
BH02	05/30/2024	0.5	<0.0250	<0.0500	<20.0	36.6	116	153	274
BH02	05/30/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	29.4
BH03	05/30/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	278
BH03	05/30/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	32.1
BH04	05/30/2024	0.5	<0.0250	<0.0500	<20.0	33.5	116	150	225
BH04	05/30/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	34.6
BH05	05/30/2024	0.5	<0.0250	<0.0500	<20.0	33.0	117	150	219
BH05	05/30/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	24.8
BH06	10/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH06	10/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH07	10/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH07	10/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Chevron USA, Inc.
Neff 13 Federal #011
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
BH08	10/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH08	10/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09	10/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH09	10/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH10	10/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH10	10/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH11	10/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH11	10/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12	10/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH12	10/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH13	10/17/2024	0.5	<0.0250	0.293	<20.0	<25.0	<50.0	<50.0	<20.0
BH13	10/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH14	10/17/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	118
BH14	10/17/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	163
BH15	10/18/2024	0.5	<0.0250	0.470	<20.0	<25.0	<50.0	<50.0	<20.0
BH15	10/18/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH16	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH16	10/18/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH17	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH17	10/18/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0



Table 1
SOIL SAMPLE ANALYTICAL RESULTS
Chevron USA, Inc.
Neff 13 Federal #011
Eddy County, New Mexico

Sample I.D.	Sample Date	Sample Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29)			10	50	NE	NE	NE	100	600
BH18	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH18	10/18/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH19	10/18/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0
BH19	10/18/2024	1	<0.0250	<0.0500	<20.0	<25.0	<50.0	<50.0	<20.0

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

BTEX: Benzene, Toluene, Ethylbenzene, and Xylenes

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Text in "grey" represents excavated soil samples

Concentrations in **bold** exceed the NMOCD Table I Closure Criteria and/or Reclamation Standard[†] for Soils Impacted by a Release

NA: Denotes unknown value or otherwise value not formally denoted and documented on the Chain of Custody

[†]The reclamation concentration requirements of 600 mg/kg chloride and 100 mg/kg TPH apply to the top 4 feet of areas to be immediately reclaimed following remediation pursuant to NMAC 19.15.17.13.

APPENDIX F

Laboratory Analytical Reports & Chain-of-Custody Documentation

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Blake Estep
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711

Generated 2/16/2024 12:43:36 PM

JOB DESCRIPTION

Neff 13 CTB Illegal Dump
16740

JOB NUMBER

880-38945-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



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Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Laboratory Job ID: 880-38945-1
SDG: 16740

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Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	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: Etech Environmental & Safety Solutions
Project: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1

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Job Narrative 880-38945-1

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

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

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

Receipt

The samples were received on 2/5/2024 4:34 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

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: Floor Sample 1 (880-38945-1), Floor Sample 2 (880-38945-2), North Sidewall (880-38945-3), East Sidewall (880-38945-4), South Sidewall (880-38945-5) and West Sidewall (880-38945-6).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-73182/1-A). Evidence of matrix interferences is not obvious.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-73182 and analytical batch 880-73209 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

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72497 and analytical batch 880-72812 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: Floor Sample 1 (880-38945-1), Floor Sample 2 (880-38945-2), (880-38945-A-1-C MS) and (880-38945-A-1-D MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis 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: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

Client Sample ID: Floor Sample 1

Lab Sample ID: 880-38945-1

Date Collected: 02/05/24 09:51

Matrix: Solid

Date Received: 02/05/24 16:34

Sample Depth: 24"

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/14/24 15:51	02/16/24 01:01	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/14/24 15:51	02/16/24 01:01	1
Ethylbenzene	<0.00198	U **	0.00198		mg/Kg		02/14/24 15:51	02/16/24 01:01	1
m-Xylene & p-Xylene	<0.00396	U **	0.00396		mg/Kg		02/14/24 15:51	02/16/24 01:01	1
o-Xylene	<0.00198	U **	0.00198		mg/Kg		02/14/24 15:51	02/16/24 01:01	1
Xylenes, Total	<0.00396	U **	0.00396		mg/Kg		02/14/24 15:51	02/16/24 01:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	02/14/24 15:51	02/16/24 01:01	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/14/24 15:51	02/16/24 01:01	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/16/24 01:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/11/24 10:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/06/24 12:29	02/11/24 10:21	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/06/24 12:29	02/11/24 10:21	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/06/24 12:29	02/11/24 10:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130	02/06/24 12:29	02/11/24 10:21	1
o-Terphenyl	60	S1-	70 - 130	02/06/24 12:29	02/11/24 10:21	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.5		4.97		mg/Kg			02/08/24 16:01	1

Client Sample ID: Floor Sample 2

Lab Sample ID: 880-38945-2

Date Collected: 02/05/24 09:53

Matrix: Solid

Date Received: 02/05/24 16:34

Sample Depth: 24"

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/14/24 15:51	02/16/24 01:22	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/14/24 15:51	02/16/24 01:22	1
Ethylbenzene	<0.00202	U **	0.00202		mg/Kg		02/14/24 15:51	02/16/24 01:22	1
m-Xylene & p-Xylene	<0.00403	U **	0.00403		mg/Kg		02/14/24 15:51	02/16/24 01:22	1
o-Xylene	<0.00202	U **	0.00202		mg/Kg		02/14/24 15:51	02/16/24 01:22	1
Xylenes, Total	<0.00403	U **	0.00403		mg/Kg		02/14/24 15:51	02/16/24 01:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	02/14/24 15:51	02/16/24 01:22	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

Client Sample ID: Floor Sample 2

Lab Sample ID: 880-38945-2

Date Collected: 02/05/24 09:53

Matrix: Solid

Date Received: 02/05/24 16:34

Sample Depth: 24"

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	95		70 - 130	02/14/24 15:51	02/16/24 01:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/16/24 01:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/11/24 11:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/06/24 12:29	02/11/24 11:27	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/06/24 12:29	02/11/24 11:27	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/06/24 12:29	02/11/24 11:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130				02/06/24 12:29	02/11/24 11:27	1
o-Terphenyl	59	S1-	70 - 130				02/06/24 12:29	02/11/24 11:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.7		4.99		mg/Kg			02/08/24 16:08	1

Client Sample ID: North Sidewall

Lab Sample ID: 880-38945-3

Date Collected: 02/05/24 09:54

Matrix: Solid

Date Received: 02/05/24 16:34

Sample Depth: 0-12"

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/14/24 15:51	02/16/24 02:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/14/24 15:51	02/16/24 02:45	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		02/14/24 15:51	02/16/24 02:45	1
m-Xylene & p-Xylene	<0.00401	U **	0.00401		mg/Kg		02/14/24 15:51	02/16/24 02:45	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		02/14/24 15:51	02/16/24 02:45	1
Xylenes, Total	<0.00401	U **	0.00401		mg/Kg		02/14/24 15:51	02/16/24 02:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	02/14/24 15:51	02/16/24 02:45	1
1,4-Difluorobenzene (Surr)	93		70 - 130	02/14/24 15:51	02/16/24 02:45	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/16/24 02:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/11/24 11:49	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

Client Sample ID: North Sidewall

Lab Sample ID: 880-38945-3

Date Collected: 02/05/24 09:54

Matrix: Solid

Date Received: 02/05/24 16:34

Sample Depth: 0-12"

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/24 12:29	02/11/24 11:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/24 12:29	02/11/24 11:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/24 12:29	02/11/24 11:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				02/06/24 12:29	02/11/24 11:49	1
o-Terphenyl	86		70 - 130				02/06/24 12:29	02/11/24 11:49	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	184		5.02		mg/Kg			02/08/24 16:14	1

Client Sample ID: East Sidewall

Lab Sample ID: 880-38945-4

Date Collected: 02/05/24 09:56

Matrix: Solid

Date Received: 02/05/24 16:34

Sample Depth: 0-12"

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/14/24 15:51	02/16/24 03:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/14/24 15:51	02/16/24 03:05	1
Ethylbenzene	<0.00199	U **	0.00199		mg/Kg		02/14/24 15:51	02/16/24 03:05	1
m-Xylene & p-Xylene	<0.00398	U **	0.00398		mg/Kg		02/14/24 15:51	02/16/24 03:05	1
o-Xylene	<0.00199	U **	0.00199		mg/Kg		02/14/24 15:51	02/16/24 03:05	1
Xylenes, Total	<0.00398	U **	0.00398		mg/Kg		02/14/24 15:51	02/16/24 03:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				02/14/24 15:51	02/16/24 03:05	1
1,4-Difluorobenzene (Surr)	99		70 - 130				02/14/24 15:51	02/16/24 03:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/16/24 03:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/11/24 12:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/06/24 12:29	02/11/24 12:12	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/06/24 12:29	02/11/24 12:12	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/06/24 12:29	02/11/24 12:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				02/06/24 12:29	02/11/24 12:12	1
o-Terphenyl	90		70 - 130				02/06/24 12:29	02/11/24 12:12	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

Client Sample ID: East Sidewall
Date Collected: 02/05/24 09:56
Date Received: 02/05/24 16:34
Sample Depth: 0-12"

Lab Sample ID: 880-38945-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		5.04		mg/Kg			02/08/24 16:21	1

Client Sample ID: South Sidewall
Date Collected: 02/05/24 09:58
Date Received: 02/05/24 16:34
Sample Depth: 0-12"

Lab Sample ID: 880-38945-5
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/14/24 15:51	02/16/24 03:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/14/24 15:51	02/16/24 03:26	1
Ethylbenzene	<0.00199	U +	0.00199		mg/Kg		02/14/24 15:51	02/16/24 03:26	1
m-Xylene & p-Xylene	<0.00398	U +	0.00398		mg/Kg		02/14/24 15:51	02/16/24 03:26	1
o-Xylene	<0.00199	U +	0.00199		mg/Kg		02/14/24 15:51	02/16/24 03:26	1
Xylenes, Total	<0.00398	U +	0.00398		mg/Kg		02/14/24 15:51	02/16/24 03:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				02/14/24 15:51	02/16/24 03:26	1
1,4-Difluorobenzene (Surr)	95		70 - 130				02/14/24 15:51	02/16/24 03:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/16/24 03:26	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	1110		50.0		mg/Kg			02/11/24 12:33	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/06/24 12:29	02/11/24 12:33	1
Diesel Range Organics (Over C10-C28)	1110		50.0		mg/Kg		02/06/24 12:29	02/11/24 12:33	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/24 12:29	02/11/24 12:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				02/06/24 12:29	02/11/24 12:33	1
o-Terphenyl	89		70 - 130				02/06/24 12:29	02/11/24 12:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.7		5.03		mg/Kg			02/08/24 16:28	1

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

Client Sample ID: West Sidewall

Lab Sample ID: 880-38945-6

Date Collected: 02/05/24 10:00

Matrix: Solid

Date Received: 02/05/24 16:34

Sample Depth: 0-12"

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/14/24 15:51	02/16/24 03:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/14/24 15:51	02/16/24 03:47	1
Ethylbenzene	<0.00200	U **	0.00200		mg/Kg		02/14/24 15:51	02/16/24 03:47	1
m-Xylene & p-Xylene	<0.00400	U **	0.00400		mg/Kg		02/14/24 15:51	02/16/24 03:47	1
o-Xylene	<0.00200	U **	0.00200		mg/Kg		02/14/24 15:51	02/16/24 03:47	1
Xylenes, Total	<0.00400	U **	0.00400		mg/Kg		02/14/24 15:51	02/16/24 03:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	02/14/24 15:51	02/16/24 03:47	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/14/24 15:51	02/16/24 03:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/16/24 03:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/11/24 12:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/06/24 12:29	02/11/24 12:56	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/06/24 12:29	02/11/24 12:56	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/06/24 12:29	02/11/24 12:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	02/06/24 12:29	02/11/24 12:56	1
o-Terphenyl	67	S1-	70 - 130	02/06/24 12:29	02/11/24 12:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.5		4.96		mg/Kg			02/08/24 16:48	1

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Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
880-38945-1	Floor Sample 1	117	95
880-38945-2	Floor Sample 2	112	95
880-38945-3	North Sidewall	114	93
880-38945-4	East Sidewall	123	99
880-38945-5	South Sidewall	114	95
880-38945-6	West Sidewall	117	95
880-39021-A-1-D MS	Matrix Spike	112	91
880-39021-A-1-E MSD	Matrix Spike Duplicate	104	91
LCS 880-73182/1-A	Lab Control Sample	152 S1+	99
LCSD 880-73182/2-A	Lab Control Sample Dup	114	94
MB 880-73182/5-A	Method Blank	79	92
MB 880-73222/5-A	Method Blank	82	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	OTPH1
		(70-130)	(70-130)
880-38945-1	Floor Sample 1	77	60 S1-
880-38945-1 MS	Floor Sample 1	95	66 S1-
880-38945-1 MSD	Floor Sample 1	96	67 S1-
880-38945-2	Floor Sample 2	73	59 S1-
880-38945-3	North Sidewall	104	86
880-38945-4	East Sidewall	107	90
880-38945-5	South Sidewall	110	89
880-38945-6	West Sidewall	85	67 S1-
LCS 880-72497/2-A	Lab Control Sample	110	106
LCSD 880-72497/3-A	Lab Control Sample Dup	113	113
MB 880-72497/1-A	Method Blank	191 S1+	167 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73182/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73209							Prep Batch: 73182		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/14/24 15:51	02/15/24 21:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/14/24 15:51	02/15/24 21:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/14/24 15:51	02/15/24 21:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/14/24 15:51	02/15/24 21:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/14/24 15:51	02/15/24 21:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/14/24 15:51	02/15/24 21:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				02/14/24 15:51	02/15/24 21:55	1
1,4-Difluorobenzene (Surr)	92		70 - 130				02/14/24 15:51	02/15/24 21:55	1

Lab Sample ID: LCS 880-73182/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73209							Prep Batch: 73182		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene		0.100	0.08103		mg/Kg		81	70 - 130	
Toluene		0.100	0.1170		mg/Kg		117	70 - 130	
Ethylbenzene		0.100	0.1346	*+	mg/Kg		135	70 - 130	
m-Xylene & p-Xylene		0.200	0.3013	*+	mg/Kg		151	70 - 130	
o-Xylene		0.100	0.1527	*+	mg/Kg		153	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	152	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	99		70 - 130						

Lab Sample ID: LCSD 880-73182/2-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 73209							Prep Batch: 73182			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene		0.100	0.1006		mg/Kg		101	70 - 130	22	35
Toluene		0.100	0.1125		mg/Kg		112	70 - 130	4	35
Ethylbenzene		0.100	0.1051		mg/Kg		105	70 - 130	25	35
m-Xylene & p-Xylene		0.200	0.2118		mg/Kg		106	70 - 130	35	35
o-Xylene		0.100	0.1074		mg/Kg		107	70 - 130	35	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
4-Bromofluorobenzene (Surr)	114		70 - 130							
1,4-Difluorobenzene (Surr)	94		70 - 130							

Lab Sample ID: 880-39021-A-1-D MS							Client Sample ID: Matrix Spike		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 73209							Prep Batch: 73182		
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.08878		mg/Kg		89	70 - 130
Toluene	<0.00199	U	0.100	0.1029		mg/Kg		103	70 - 130

Eurofins Midland

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

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

Lab Sample ID: 880-39021-A-1-D MS

Matrix: Solid

Analysis Batch: 73209

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 73182

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00199	U *	0.100	0.08845		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	<0.00398	U *	0.200	0.1760		mg/Kg		88	70 - 130
o-Xylene	<0.00199	U *	0.100	0.08900		mg/Kg		88	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 880-39021-A-1-E MSD

Matrix: Solid

Analysis Batch: 73209

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 73182

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.09278		mg/Kg		92	70 - 130	4	35
Toluene	<0.00199	U	0.101	0.09911		mg/Kg		99	70 - 130	4	35
Ethylbenzene	<0.00199	U *	0.101	0.08366		mg/Kg		83	70 - 130	6	35
m-Xylene & p-Xylene	<0.00398	U *	0.201	0.1648		mg/Kg		82	70 - 130	7	35
o-Xylene	<0.00199	U *	0.101	0.08308		mg/Kg		82	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: MB 880-73222/5-A

Matrix: Solid

Analysis Batch: 73209

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 73222

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 08:59	02/15/24 11:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 08:59	02/15/24 11:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 08:59	02/15/24 11:17	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 08:59	02/15/24 11:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 08:59	02/15/24 11:17	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 08:59	02/15/24 11:17	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	02/15/24 08:59	02/15/24 11:17	1
1,4-Difluorobenzene (Surr)	94		70 - 130	02/15/24 08:59	02/15/24 11:17	1

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

Lab Sample ID: MB 880-72497/1-A

Matrix: Solid

Analysis Batch: 72812

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 72497

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/06/24 12:29	02/11/24 07:47	1

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QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

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

Lab Sample ID: MB 880-72497/1-A
Matrix: Solid
Analysis Batch: 72812

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72497

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/06/24 12:29	02/11/24 07:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/24 12:29	02/11/24 07:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	191	S1+	70 - 130				02/06/24 12:29	02/11/24 07:47	1
o-Terphenyl	167	S1+	70 - 130				02/06/24 12:29	02/11/24 07:47	1

Lab Sample ID: LCS 880-72497/2-A
Matrix: Solid
Analysis Batch: 72812

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72497

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1015		mg/Kg		102	70 - 130
Diesel Range Organics (Over C10-C28)	1000	951.7		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	110		70 - 130				
o-Terphenyl	106		70 - 130				

Lab Sample ID: LCSD 880-72497/3-A
Matrix: Solid
Analysis Batch: 72812

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72497

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1028		mg/Kg		103	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	992.5		mg/Kg		99	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	113		70 - 130						
o-Terphenyl	113		70 - 130						

Lab Sample ID: 880-38945-1 MS
Matrix: Solid
Analysis Batch: 72812

Client Sample ID: Floor Sample 1
Prep Type: Total/NA
Prep Batch: 72497

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	1195		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U	1000	968.4		mg/Kg		95	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	95		70 - 130						
o-Terphenyl	66	S1-	70 - 130						

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

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

Lab Sample ID: 880-38945-1 MSD

Matrix: Solid

Analysis Batch: 72812

Client Sample ID: Floor Sample 1

Prep Type: Total/NA

Prep Batch: 72497

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1000	1177		mg/Kg		116	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<49.6	U	1000	994.3		mg/Kg		97	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	96		70 - 130								
o-Terphenyl	67	S1-	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72458/1-A

Matrix: Solid

Analysis Batch: 72626

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	<5.00	U	5.00		mg/Kg			02/08/24 12:31	1

Lab Sample ID: LCS 880-72458/2-A

Matrix: Solid

Analysis Batch: 72626

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	249.6		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-72458/3-A

Matrix: Solid

Analysis Batch: 72626

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

				Spike	LCS	LCS					%Rec			RPD
Analyte				Added	Result	Qualifier	Unit	D	%Rec	Limits		RPD	Limits	
Chloride				250	252.5		mg/Kg		101	90 - 110		1	20	

Lab Sample ID: 880-38945-5 MS

Matrix: Solid

Analysis Batch: 72626

Client Sample ID: South Sidewall

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	67.7		252	327.5		mg/Kg		103	90 - 110

Lab Sample ID: 880-38945-5 MSD

Matrix: Solid

Analysis Batch: 72626

Client Sample ID: South Sidewall

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limits
Chloride	67.7		252	326.5		mg/Kg		103	90 - 110	0	20

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QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

GC VOA

Prep Batch: 73182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38945-1	Floor Sample 1	Total/NA	Solid	5035	
880-38945-2	Floor Sample 2	Total/NA	Solid	5035	
880-38945-3	North Sidewall	Total/NA	Solid	5035	
880-38945-4	East Sidewall	Total/NA	Solid	5035	
880-38945-5	South Sidewall	Total/NA	Solid	5035	
880-38945-6	West Sidewall	Total/NA	Solid	5035	
MB 880-73182/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73182/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73182/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-39021-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-39021-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 73209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38945-1	Floor Sample 1	Total/NA	Solid	8021B	73182
880-38945-2	Floor Sample 2	Total/NA	Solid	8021B	73182
880-38945-3	North Sidewall	Total/NA	Solid	8021B	73182
880-38945-4	East Sidewall	Total/NA	Solid	8021B	73182
880-38945-5	South Sidewall	Total/NA	Solid	8021B	73182
880-38945-6	West Sidewall	Total/NA	Solid	8021B	73182
MB 880-73182/5-A	Method Blank	Total/NA	Solid	8021B	73182
MB 880-73222/5-A	Method Blank	Total/NA	Solid	8021B	73222
LCS 880-73182/1-A	Lab Control Sample	Total/NA	Solid	8021B	73182
LCSD 880-73182/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73182
880-39021-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	73182
880-39021-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	73182

Prep Batch: 73222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-73222/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 73366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38945-1	Floor Sample 1	Total/NA	Solid	Total BTEX	
880-38945-2	Floor Sample 2	Total/NA	Solid	Total BTEX	
880-38945-3	North Sidewall	Total/NA	Solid	Total BTEX	
880-38945-4	East Sidewall	Total/NA	Solid	Total BTEX	
880-38945-5	South Sidewall	Total/NA	Solid	Total BTEX	
880-38945-6	West Sidewall	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 72497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38945-1	Floor Sample 1	Total/NA	Solid	8015NM Prep	
880-38945-2	Floor Sample 2	Total/NA	Solid	8015NM Prep	
880-38945-3	North Sidewall	Total/NA	Solid	8015NM Prep	
880-38945-4	East Sidewall	Total/NA	Solid	8015NM Prep	
880-38945-5	South Sidewall	Total/NA	Solid	8015NM Prep	
880-38945-6	West Sidewall	Total/NA	Solid	8015NM Prep	
MB 880-72497/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

GC Semi VOA (Continued)

Prep Batch: 72497 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-72497/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72497/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-38945-1 MS	Floor Sample 1	Total/NA	Solid	8015NM Prep	
880-38945-1 MSD	Floor Sample 1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 72812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38945-1	Floor Sample 1	Total/NA	Solid	8015B NM	72497
880-38945-2	Floor Sample 2	Total/NA	Solid	8015B NM	72497
880-38945-3	North Sidewall	Total/NA	Solid	8015B NM	72497
880-38945-4	East Sidewall	Total/NA	Solid	8015B NM	72497
880-38945-5	South Sidewall	Total/NA	Solid	8015B NM	72497
880-38945-6	West Sidewall	Total/NA	Solid	8015B NM	72497
MB 880-72497/1-A	Method Blank	Total/NA	Solid	8015B NM	72497
LCS 880-72497/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72497
LCSD 880-72497/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72497
880-38945-1 MS	Floor Sample 1	Total/NA	Solid	8015B NM	72497
880-38945-1 MSD	Floor Sample 1	Total/NA	Solid	8015B NM	72497

Analysis Batch: 72964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38945-1	Floor Sample 1	Total/NA	Solid	8015 NM	
880-38945-2	Floor Sample 2	Total/NA	Solid	8015 NM	
880-38945-3	North Sidewall	Total/NA	Solid	8015 NM	
880-38945-4	East Sidewall	Total/NA	Solid	8015 NM	
880-38945-5	South Sidewall	Total/NA	Solid	8015 NM	
880-38945-6	West Sidewall	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 72458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38945-1	Floor Sample 1	Soluble	Solid	DI Leach	
880-38945-2	Floor Sample 2	Soluble	Solid	DI Leach	
880-38945-3	North Sidewall	Soluble	Solid	DI Leach	
880-38945-4	East Sidewall	Soluble	Solid	DI Leach	
880-38945-5	South Sidewall	Soluble	Solid	DI Leach	
880-38945-6	West Sidewall	Soluble	Solid	DI Leach	
MB 880-72458/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72458/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72458/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-38945-5 MS	South Sidewall	Soluble	Solid	DI Leach	
880-38945-5 MSD	South Sidewall	Soluble	Solid	DI Leach	

Analysis Batch: 72626

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38945-1	Floor Sample 1	Soluble	Solid	300.0	72458
880-38945-2	Floor Sample 2	Soluble	Solid	300.0	72458
880-38945-3	North Sidewall	Soluble	Solid	300.0	72458
880-38945-4	East Sidewall	Soluble	Solid	300.0	72458
880-38945-5	South Sidewall	Soluble	Solid	300.0	72458

Eurofins Midland

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

HPLC/IC (Continued)

Analysis Batch: 72626 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38945-6	West Sidewall	Soluble	Solid	300.0	72458
MB 880-72458/1-A	Method Blank	Soluble	Solid	300.0	72458
LCS 880-72458/2-A	Lab Control Sample	Soluble	Solid	300.0	72458
LCSD 880-72458/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72458
880-38945-5 MS	South Sidewall	Soluble	Solid	300.0	72458
880-38945-5 MSD	South Sidewall	Soluble	Solid	300.0	72458

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

Client Sample ID: Floor Sample 1
Date Collected: 02/05/24 09:51
Date Received: 02/05/24 16:34

Lab Sample ID: 880-38945-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73182	02/14/24 15:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73209	02/16/24 01:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73366	02/16/24 01:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			72964	02/11/24 10:21	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	72497	02/06/24 12:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72812	02/11/24 10:21	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	72458	02/06/24 10:27	SMC	EET MID
Soluble	Analysis	300.0		1			72626	02/08/24 16:01	CH	EET MID

Client Sample ID: Floor Sample 2
Date Collected: 02/05/24 09:53
Date Received: 02/05/24 16:34

Lab Sample ID: 880-38945-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	73182	02/14/24 15:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73209	02/16/24 01:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73366	02/16/24 01:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			72964	02/11/24 11:27	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	72497	02/06/24 12:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72812	02/11/24 11:27	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	72458	02/06/24 10:27	SMC	EET MID
Soluble	Analysis	300.0		1			72626	02/08/24 16:08	CH	EET MID

Client Sample ID: North Sidewall
Date Collected: 02/05/24 09:54
Date Received: 02/05/24 16:34

Lab Sample ID: 880-38945-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	73182	02/14/24 15:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73209	02/16/24 02:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73366	02/16/24 02:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			72964	02/11/24 11:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	72497	02/06/24 12:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72812	02/11/24 11:49	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72458	02/06/24 10:27	SMC	EET MID
Soluble	Analysis	300.0		1			72626	02/08/24 16:14	CH	EET MID

Client Sample ID: East Sidewall
Date Collected: 02/05/24 09:56
Date Received: 02/05/24 16:34

Lab Sample ID: 880-38945-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	73182	02/14/24 15:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73209	02/16/24 03:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73366	02/16/24 03:05	SM	EET MID

Eurofins Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

Client Sample ID: East Sidewall

Lab Sample ID: 880-38945-4

Date Collected: 02/05/24 09:56

Matrix: Solid

Date Received: 02/05/24 16:34

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			72964	02/11/24 12:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	72497	02/06/24 12:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72812	02/11/24 12:12	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	72458	02/06/24 10:27	SMC	EET MID
Soluble	Analysis	300.0		1			72626	02/08/24 16:21	CH	EET MID

Client Sample ID: South Sidewall

Lab Sample ID: 880-38945-5

Date Collected: 02/05/24 09:58

Matrix: Solid

Date Received: 02/05/24 16:34

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	73182	02/14/24 15:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73209	02/16/24 03:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73366	02/16/24 03:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			72964	02/11/24 12:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	72497	02/06/24 12:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72812	02/11/24 12:33	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	72458	02/06/24 10:27	SMC	EET MID
Soluble	Analysis	300.0		1			72626	02/08/24 16:28	CH	EET MID

Client Sample ID: West Sidewall

Lab Sample ID: 880-38945-6

Date Collected: 02/05/24 10:00

Matrix: Solid

Date Received: 02/05/24 16:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	73182	02/14/24 15:51	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73209	02/16/24 03:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73366	02/16/24 03:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			72964	02/11/24 12:56	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	72497	02/06/24 12:29	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72812	02/11/24 12:56	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	72458	02/06/24 10:27	SMC	EET MID
Soluble	Analysis	300.0		1			72626	02/08/24 16:48	CH	EET MID

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

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB Illegal Dump

Job ID: 880-38945-1
SDG: 16740

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-38945-1	Floor Sample 1	Solid	02/05/24 09:51	02/05/24 16:34	24"
880-38945-2	Floor Sample 2	Solid	02/05/24 09:53	02/05/24 16:34	24"
880-38945-3	North Sidewall	Solid	02/05/24 09:54	02/05/24 16:34	0-12"
880-38945-4	East Sidewall	Solid	02/05/24 09:56	02/05/24 16:34	0-12"
880-38945-5	South Sidewall	Solid	02/05/24 09:58	02/05/24 16:34	0-12"
880-38945-6	West Sidewall	Solid	02/05/24 10:00	02/05/24 16:34	0-12"

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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
Phoenix, AZ (480-335-0900) Atlanta GA (770-449-8800) Tampa FL (813)
Hobbs NM (575-392-7550)

Chain of Custody

Project Manager		Blake Estep		Bill to (if different)		
Company Name		Etech Environmental		Company Name		
Address		13000 West CR 100		Address		
City, State ZIP		Midland, TX 79711		City, State ZIP		
Phone		(432)563-2200		Email		blake@etechenv.com

Work Order Comments						
Program: <u>UST/PST</u> <u>PRP</u> <u>Brownfields</u> <u>RRC</u> <u>Superfund</u> State of Project: _____ Reporting Level II <u>Level III</u> <u>PST/UST</u> <u>TRRP</u> <u>Level IV</u> Deliverables EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other						

[illegible][illegible]

880-38945 Chain of Custody

Total 200.7 / 6010	200.8 / 6020:	Circle Method(s) and Metal(s) to be analyzed
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 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 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 <i>[Signature]</i>	<i>[Signature]</i>	2/5/24 16:27	2		
3 <i>[Signature]</i>		2/5/24 16:34	4		
5			6		

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 880-38945-1

SDG Number: 16740

Login Number: 38945

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Blake Estep
Etech Environmental & Safety Solutions
PO BOX 62228
Midland, Texas 79711
Generated 3/19/2024 2:53:59 PM

JOB DESCRIPTION

Neff 13 CTB

JOB NUMBER

880-40898-1

Eurofins Midland
1211 W. Florida Ave
Midland TX 79701

Eurofins Midland

Job Notes

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

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

Authorization



Generated
3/19/2024 2:53:59 PM

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

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Laboratory Job ID: 880-40898-1

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Definitions/Glossary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Etech Environmental & Safety Solutions
Project: Neff 13 CTB

Job ID: 880-40898-1

Job ID: 880-40898-1

Eurofins Midland

Job Narrative
880-40898-1

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

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

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

Receipt

The samples were received on 3/15/2024 10:25 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 13.3°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: Bottom Hole-3 (880-40898-1) and South Sidewall (880-40898-2).

The following samples were received at the laboratory outside the required temperature criteria: Bottom Hole-3 (880-40898-1) and South Sidewall (880-40898-2). This does not meet regulatory requirements. The client was contacted regarding this issue, and the laboratory was instructed to <CHOOSE_ONE> proceed with analysis.

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: South Sidewall (880-40898-2), (LCS 880-75736/1-A), (LCSD 880-75736/2-A), (880-40897-A-1-C), (880-40897-A-1-A MS) and (880-40897-A-1-B MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-75736 and analytical batch 880-75671 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-75817 and analytical batch 880-75778 was outside the upper control limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-75802 and analytical batch 880-75775 was outside the upper control limits.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The laboratory control sample (LCS) associated with preparation batch 880-75726 and 880-75726 and analytical batch 880-75933 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.

Eurofins Midland

Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

Client Sample ID: Bottom Hole-3

Lab Sample ID: 880-40898-1

Date Collected: 03/09/24 12:00

Matrix: Solid

Date Received: 03/15/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/15/24 13:02	03/16/24 04:40	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/15/24 13:02	03/16/24 04:40	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/15/24 13:02	03/16/24 04:40	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/15/24 13:02	03/16/24 04:40	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/15/24 13:02	03/16/24 04:40	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/15/24 13:02	03/16/24 04:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	03/15/24 13:02	03/16/24 04:40	1
1,4-Difluorobenzene (Surr)	81		70 - 130	03/15/24 13:02	03/16/24 04:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/16/24 04:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	61.6		50.0		mg/Kg			03/19/24 02:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/18/24 10:16	03/19/24 02:53	1
Diesel Range Organics (Over C10-C28)	61.6		50.0		mg/Kg		03/18/24 10:16	03/19/24 02:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/24 10:16	03/19/24 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	03/18/24 10:16	03/19/24 02:53	1
o-Terphenyl	85		70 - 130	03/18/24 10:16	03/19/24 02:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.3	*-	5.00		mg/Kg			03/19/24 13:06	1

Client Sample ID: South Sidewall

Lab Sample ID: 880-40898-2

Date Collected: 03/09/24 12:02

Matrix: Solid

Date Received: 03/15/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/15/24 13:02	03/16/24 08:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/15/24 13:02	03/16/24 08:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/15/24 13:02	03/16/24 08:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/15/24 13:02	03/16/24 08:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/15/24 13:02	03/16/24 08:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/15/24 13:02	03/16/24 08:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	03/15/24 13:02	03/16/24 08:12	1
1,4-Difluorobenzene (Surr)	69	S1-	70 - 130	03/15/24 13:02	03/16/24 08:12	1

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Client Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

Client Sample ID: South Sidewall
Date Collected: 03/09/24 12:02
Date Received: 03/15/24 10:25

Lab Sample ID: 880-40898-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/16/24 08:12	1	

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<50.0	U	50.0		mg/Kg			03/19/24 04:39	1	

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/18/24 08:51	03/19/24 04:39	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/24 08:51	03/19/24 04:39	1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/24 08:51	03/19/24 04:39	1	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac	
1-Chlorooctane	102		70 - 130				03/18/24 08:51	03/19/24 04:39	1	
o-Terphenyl	81		70 - 130				03/18/24 08:51	03/19/24 04:39	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	72.8	*-	5.01		mg/Kg			03/19/24 13:13	1	

Surrogate Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

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)
880-40897-A-1-A MS	Matrix Spike	179 S1+	81
880-40897-A-1-B MSD	Matrix Spike Duplicate	216 S1+	91
880-40898-1	Bottom Hole-3	83	81
880-40898-2	South Sidewall	126	69 S1-
LCS 880-75736/1-A	Lab Control Sample	136 S1+	84
LCSD 880-75736/2-A	Lab Control Sample Dup	137 S1+	83
MB 880-75685/5-A	Method Blank	79	82
MB 880-75736/5-A	Method Blank	84	79
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)
880-40879-A-35-E MS	Matrix Spike	94	87
880-40879-A-35-F MSD	Matrix Spike Duplicate	90	83
880-40898-1	Bottom Hole-3	83	85
880-40898-2	South Sidewall	102	81
890-6359-A-22-E MS	Matrix Spike	104	81
890-6359-A-22-F MSD	Matrix Spike Duplicate	107	81
LCS 880-75802/2-A	Lab Control Sample	125	122
LCS 880-75817/2-A	Lab Control Sample	96	114
LCSD 880-75802/3-A	Lab Control Sample Dup	97	95
LCSD 880-75817/3-A	Lab Control Sample Dup	85	97
MB 880-75802/1-A	Method Blank	172 S1+	156 S1+
MB 880-75817/1-A	Method Blank	137 S1+	160 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-75685/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 75671							Prep Batch: 75685		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/15/24 10:09	03/15/24 12:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/15/24 10:09	03/15/24 12:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/15/24 10:09	03/15/24 12:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/15/24 10:09	03/15/24 12:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/15/24 10:09	03/15/24 12:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/15/24 10:09	03/15/24 12:46	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	79		70 - 130				03/15/24 10:09	03/15/24 12:46	1
1,4-Difluorobenzene (Surr)	82		70 - 130				03/15/24 10:09	03/15/24 12:46	1

Lab Sample ID: MB 880-75736/5-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 75671							Prep Batch: 75736		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/15/24 13:02	03/16/24 02:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/15/24 13:02	03/16/24 02:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/15/24 13:02	03/16/24 02:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/15/24 13:02	03/16/24 02:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/15/24 13:02	03/16/24 02:06	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/15/24 13:02	03/16/24 02:06	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130				03/15/24 13:02	03/16/24 02:06	1
1,4-Difluorobenzene (Surr)	79		70 - 130				03/15/24 13:02	03/16/24 02:06	1

Lab Sample ID: LCS 880-75736/1-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 75671							Prep Batch: 75736		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	0.100	0.1068		mg/Kg		107	70 - 130		
Toluene	0.100	0.09907		mg/Kg		99	70 - 130		
Ethylbenzene	0.100	0.1092		mg/Kg		109	70 - 130		
m-Xylene & p-Xylene	0.200	0.2192		mg/Kg		110	70 - 130		
o-Xylene	0.100	0.1134		mg/Kg		113	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	136	S1+	70 - 130						
1,4-Difluorobenzene (Surr)	84		70 - 130						

Lab Sample ID: LCSD 880-75736/2-A							Client Sample ID: Lab Control Sample Dup		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 75671							Prep Batch: 75736		
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1143		mg/Kg		114	70 - 130	7	35

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QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

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

Lab Sample ID: LCSD 880-75736/2-A					Client Sample ID: Lab Control Sample Dup						
Matrix: Solid					Prep Type: Total/NA						
Analysis Batch: 75671					Prep Batch: 75736						
				Spike	LCSD	LCSD			%Rec		RPD
Analyte				Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD
Toluene				0.100	0.1111		mg/Kg		111	70 - 130	11
Ethylbenzene				0.100	0.1205		mg/Kg		120	70 - 130	10
m-Xylene & p-Xylene				0.200	0.2428		mg/Kg		121	70 - 130	10
o-Xylene				0.100	0.1247		mg/Kg		125	70 - 130	10
					LCSD	LCSD					
Surrogate					%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)					137	S1+	70 - 130				
1,4-Difluorobenzene (Surr)					83		70 - 130				

Lab Sample ID: 880-40897-A-1-A MS				Client Sample ID: Matrix Spike							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 75671				Prep Batch: 75736							
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.0996	0.08659		mg/Kg		87	70 - 130		
Toluene	0.00554		0.0996	0.08995		mg/Kg		85	70 - 130		
Ethylbenzene	0.0152	F2 F1	0.0996	0.08155	F1	mg/Kg		67	70 - 130		
m-Xylene & p-Xylene	0.201	F1	0.199	0.2820	F1	mg/Kg		41	70 - 130		
o-Xylene	0.157	F2 F1	0.0996	0.1626	F1	mg/Kg		5	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	179	S1+	70 - 130								
1,4-Difluorobenzene (Surr)	81		70 - 130								

Lab Sample ID: 880-40897-A-1-B MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 75671				Prep Batch: 75736							
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1161		mg/Kg		115	70 - 130	29	35
Toluene	0.00554		0.101	0.1116		mg/Kg		105	70 - 130	22	35
m-Xylene & p-Xylene	0.201	F1	0.202	0.2631	F1	mg/Kg		31	70 - 130	7	35
o-Xylene	0.157	F2 F1	0.101	0.3189	F1 F2	mg/Kg		160	70 - 130	65	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	216	S1+	70 - 130								
1,4-Difluorobenzene (Surr)	91		70 - 130								

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

Lab Sample ID: MB 880-75802/1-A				Client Sample ID: Method Blank							
Matrix: Solid				Prep Type: Total/NA							
Analysis Batch: 75775				Prep Batch: 75802							
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/18/24 08:51	03/18/24 19:52	1		
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/24 08:51	03/18/24 19:52	1		

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QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

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

Lab Sample ID: MB 880-75802/1-A							Client Sample ID: Method Blank		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 75775							Prep Batch: 75802		
Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/24 08:51	03/18/24 19:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	172	S1+	70 - 130				03/18/24 08:51	03/18/24 19:52	1
o-Terphenyl	156	S1+	70 - 130				03/18/24 08:51	03/18/24 19:52	1

Lab Sample ID: LCS 880-75802/2-A							Client Sample ID: Lab Control Sample		
Matrix: Solid							Prep Type: Total/NA		
Analysis Batch: 75775							Prep Batch: 75802		
Analyte		Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10		1000	955.1		mg/Kg		96	70 - 130	
Diesel Range Organics (Over C10-C28)		1000	999.4		mg/Kg		100	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	125		70 - 130						
o-Terphenyl	122		70 - 130						

Lab Sample ID: LCSD 880-75802/3-A							Client Sample ID: Lab Control Sample Dup			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 75775							Prep Batch: 75802			
Analyte		Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10		1000	927.5		mg/Kg		93	70 - 130	3	20
Diesel Range Organics (Over C10-C28)		1000	956.4		mg/Kg		96	70 - 130	4	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
1-Chlorooctane	97		70 - 130							
o-Terphenyl	95		70 - 130							

Lab Sample ID: 890-6359-A-22-E MS							Client Sample ID: Matrix Spike			
Matrix: Solid							Prep Type: Total/NA			
Analysis Batch: 75775							Prep Batch: 75802			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	812.3		mg/Kg		80	70 - 130	
Diesel Range Organics (Over C10-C28)	<50.0	U	999	926.2		mg/Kg		93	70 - 130	
Surrogate	MS %Recovery	MS Qualifier	Limits							
1-Chlorooctane	104		70 - 130							
o-Terphenyl	81		70 - 130							

QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

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

Lab Sample ID: 890-6359-A-22-F MSD

Matrix: Solid

Analysis Batch: 75775

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 75802

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	999	851.0		mg/Kg		84	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<50.0	U	999	937.8		mg/Kg		94	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	81		70 - 130								

Lab Sample ID: MB 880-75817/1-A

Matrix: Solid

Analysis Batch: 75778

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 75817

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/18/24 10:16	03/18/24 19:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/18/24 10:16	03/18/24 19:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/18/24 10:16	03/18/24 19:52	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	137	S1+	70 - 130				03/18/24 10:16	03/18/24 19:52	1
o-Terphenyl	160	S1+	70 - 130				03/18/24 10:16	03/18/24 19:52	1

Lab Sample ID: LCS 880-75817/2-A

Matrix: Solid

Analysis Batch: 75778

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 75817

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	872.4		mg/Kg		87	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	742.7		mg/Kg		74	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	96		70 - 130						
o-Terphenyl	114		70 - 130						

Lab Sample ID: LCSD 880-75817/3-A

Matrix: Solid

Analysis Batch: 75778

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 75817

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	873.9		mg/Kg		87	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	765.6		mg/Kg		77	70 - 130	3	20

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QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

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

Lab Sample ID: LCSD 880-75817/3-A

Matrix: Solid

Analysis Batch: 75778

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 75817

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	85		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: 880-40879-A-35-E MS

Matrix: Solid

Analysis Batch: 75778

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 75817

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	890.8		mg/Kg		86	70 - 130	
Diesel Range Organics (Over C10-C28)	55.6		1000	883.6		mg/Kg		83	70 - 130	
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	94		70 - 130							
o-Terphenyl	87		70 - 130							

Lab Sample ID: 880-40879-A-35-F MSD

Matrix: Solid

Analysis Batch: 75778

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 75817

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	855.3		mg/Kg		82	70 - 130	4	20	
Diesel Range Organics (Over C10-C28)	55.6		1000	842.1		mg/Kg		79	70 - 130	5	20	
Surrogate	%Recovery	Qualifier	Limits									
1-Chlorooctane	90		70 - 130									
o-Terphenyl	83		70 - 130									

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-75726/1-A

Matrix: Solid

Analysis Batch: 75933

Client Sample ID: Method Blank

Prep Type: Soluble

	MB	MB									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	<5.00	U	5.00		mg/Kg			03/19/24 09:46	1		

Lab Sample ID: LCS 880-75726/2-A

Matrix: Solid

Analysis Batch: 75933

Client Sample ID: Lab Control Sample

Prep Type: Soluble

	Spike	LCS	LCS					%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	250	226.8		mg/Kg		91	90 - 110		

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QC Sample Results

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-75726/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 75933											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	222.3	*-	mg/Kg		89	90 - 110	2	20

Lab Sample ID: 880-40890-A-3-B MS				Client Sample ID: Matrix Spike							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 75933											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	4490	*-	2530	7193		mg/Kg		107	90 - 110		

Lab Sample ID: 880-40890-A-3-C MSD				Client Sample ID: Matrix Spike Duplicate							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 75933											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	4490	*-	2530	7268		mg/Kg		110	90 - 110	1	20

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

GC VOA

Analysis Batch: 75671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40898-1	Bottom Hole-3	Total/NA	Solid	8021B	75736
880-40898-2	South Sidewall	Total/NA	Solid	8021B	75736
MB 880-75685/5-A	Method Blank	Total/NA	Solid	8021B	75685
MB 880-75736/5-A	Method Blank	Total/NA	Solid	8021B	75736
LCS 880-75736/1-A	Lab Control Sample	Total/NA	Solid	8021B	75736
LCSD 880-75736/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	75736
880-40897-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	75736
880-40897-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	75736

Prep Batch: 75685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-75685/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 75736

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40898-1	Bottom Hole-3	Total/NA	Solid	5035	
880-40898-2	South Sidewall	Total/NA	Solid	5035	
MB 880-75736/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-75736/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-75736/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-40897-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
880-40897-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 75846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40898-1	Bottom Hole-3	Total/NA	Solid	Total BTEX	
880-40898-2	South Sidewall	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 75775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40898-2	South Sidewall	Total/NA	Solid	8015B NM	75802
MB 880-75802/1-A	Method Blank	Total/NA	Solid	8015B NM	75802
LCS 880-75802/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	75802
LCSD 880-75802/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	75802
890-6359-A-22-E MS	Matrix Spike	Total/NA	Solid	8015B NM	75802
890-6359-A-22-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	75802

Analysis Batch: 75778

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40898-1	Bottom Hole-3	Total/NA	Solid	8015B NM	75817
MB 880-75817/1-A	Method Blank	Total/NA	Solid	8015B NM	75817
LCS 880-75817/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	75817
LCSD 880-75817/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	75817
880-40879-A-35-E MS	Matrix Spike	Total/NA	Solid	8015B NM	75817
880-40879-A-35-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	75817

Prep Batch: 75802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40898-2	South Sidewall	Total/NA	Solid	8015NM Prep	

Eurofins Midland

QC Association Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

GC Semi VOA (Continued)

Prep Batch: 75802 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-75802/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-75802/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-75802/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6359-A-22-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6359-A-22-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 75817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40898-1	Bottom Hole-3	Total/NA	Solid	8015NM Prep	
MB 880-75817/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-75817/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-75817/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-40879-A-35-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-40879-A-35-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 76014

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40898-1	Bottom Hole-3	Total/NA	Solid	8015 NM	
880-40898-2	South Sidewall	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 75726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40898-1	Bottom Hole-3	Soluble	Solid	DI Leach	
880-40898-2	South Sidewall	Soluble	Solid	DI Leach	
MB 880-75726/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-75726/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-75726/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-40890-A-3-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-40890-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 75933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-40898-1	Bottom Hole-3	Soluble	Solid	300.0	75726
880-40898-2	South Sidewall	Soluble	Solid	300.0	75726
MB 880-75726/1-A	Method Blank	Soluble	Solid	300.0	75726
LCS 880-75726/2-A	Lab Control Sample	Soluble	Solid	300.0	75726
LCSD 880-75726/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	75726
880-40890-A-3-B MS	Matrix Spike	Soluble	Solid	300.0	75726
880-40890-A-3-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	75726

Eurofins Midland

Lab Chronicle

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

Client Sample ID: Bottom Hole-3
Date Collected: 03/09/24 12:00
Date Received: 03/15/24 10:25

Lab Sample ID: 880-40898-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	75736	03/15/24 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75671	03/16/24 04:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75846	03/16/24 04:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			76014	03/19/24 02:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	75817	03/18/24 10:16	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75778	03/19/24 02:53	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	75726	03/15/24 11:31	SA	EET MID
Soluble	Analysis	300.0		1			75933	03/19/24 13:06	CH	EET MID

Client Sample ID: South Sidewall
Date Collected: 03/09/24 12:02
Date Received: 03/15/24 10:25

Lab Sample ID: 880-40898-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	75736	03/15/24 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75671	03/16/24 08:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75846	03/16/24 08:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			76014	03/19/24 04:39	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	75802	03/18/24 08:51	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75775	03/19/24 04:39	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	75726	03/15/24 11:31	SA	EET MID
Soluble	Analysis	300.0		1			75933	03/19/24 13:13	CH	EET MID

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

Accreditation/Certification Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

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	T104704400-23-26	06-30-24
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

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

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: Etech Environmental & Safety Solutions
Project/Site: Neff 13 CTB

Job ID: 880-40898-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-40898-1	Bottom Hole-3	Solid	03/09/24 12:00	03/15/24 10:25
880-40898-2	South Sidewall	Solid	03/09/24 12:02	03/15/24 10:25

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

Chain of Custody

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)794-1298
Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813)
Hobbs, NM (575-392-7550)







Project Manager:	Blake Estep	Bill to: (if different)
Company Name:	Etech Environmental	Company Name:
Address:	13000 West CR 100	Address:
City, State ZIP:	Midland, TX 79711	City, State ZIP:
Phone:	(432)563-2200	Email: blake@etechenv.com

[illegible]

Total	200.7 / 6010	200.8 / 6020:	8RCRA 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 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 / 17470 / 7471. Hg

Notice: Signature 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 assessed 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
		3/14/24			
		10/28			
		3/15/24			

Login Sample Receipt Checklist

Client: Etech Environmental & Safety Solutions

Job Number: 880-40898-1

Login Number: 40898
List Number: 1
Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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

Report to:
Erick Herrera



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Chevron

Project Name: Neff 11-13

Work Order: E406007

Job Number: 23077-0001

Received: 6/3/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
6/7/24

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 6/7/24

Erick Herrera
322 Road 3100
Aztec, NM 87410



Project Name: Neff 11-13
Workorder: E406007
Date Received: 6/3/2024 8:00:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/3/2024 8:00:00AM, under the Project Name: Neff 11-13.

The analytical test results summarized in this report with the Project Name: Neff 11-13 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Sample Summary

Chevron	Project Name:	Neff 11-13	Reported:
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	06/07/24 14:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 0.5'	E406007-01A	Soil	05/30/24	06/03/24	Glass Jar, 2 oz.
BH01 1'	E406007-02A	Soil	05/30/24	06/03/24	Glass Jar, 2 oz.
BH02 0.5'	E406007-03A	Soil	05/30/24	06/03/24	Glass Jar, 2 oz.
BH02 1';	E406007-04A	Soil	05/30/24	06/03/24	Glass Jar, 2 oz.
BH03 0.5'	E406007-05A	Soil	05/30/24	06/03/24	Glass Jar, 2 oz.
BH03 1'	E406007-06A	Soil	05/30/24	06/03/24	Glass Jar, 2 oz.
BH04 0.5'	E406007-07A	Soil	05/30/24	06/03/24	Glass Jar, 2 oz.
BH04 1'	E406007-08A	Soil	05/30/24	06/03/24	Glass Jar, 2 oz.
BH05 0.5'	E406007-09A	Soil	05/30/24	06/03/24	Glass Jar, 2 oz.
BH05 1'	E406007-10A	Soil	05/30/24	06/03/24	Glass Jar, 2 oz.



Sample Data

Chevron	Project Name:	Neff 11-13	Reported: 6/7/2024 2:28:57PM
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	

BH01 0.5'

E406007-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2423016	
Benzene	ND	0.0250	1	06/03/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/06/24	
Toluene	ND	0.0250	1	06/03/24	06/06/24	
o-Xylene	ND	0.0250	1	06/03/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/06/24	
Surrogate: 4-Bromochlorobenzene-PID	95.0 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2423016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.1 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2423058	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/24	06/05/24	
Surrogate: n-Nonane	109 %	50-200		06/05/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2423038	
Chloride	344	20.0	1	06/04/24	06/04/24	



Sample Data

Chevron	Project Name:	Neff 11-13	Reported: 6/7/2024 2:28:57PM
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	

BH01 1'
E406007-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2423016	
Benzene	ND	0.0250	1	06/03/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/06/24	
Toluene	ND	0.0250	1	06/03/24	06/06/24	
o-Xylene	ND	0.0250	1	06/03/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/06/24	
Surrogate: 4-Bromochlorobenzene-PID	93.7 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2423016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/06/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.3 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: KM		Batch: 2423058	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/24	06/05/24	
Surrogate: n-Nonane	107 %	50-200		06/05/24	06/05/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2423038	
Chloride	34.6	20.0	1	06/04/24	06/04/24	



Sample Data

Chevron	Project Name:	Neff 11-13	Reported: 6/7/2024 2:28:57PM
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	

BH02 0.5'
E406007-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2423016	
Benzene	ND	0.0250	1	06/03/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/06/24	
Toluene	ND	0.0250	1	06/03/24	06/06/24	
o-Xylene	ND	0.0250	1	06/03/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2423016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2423058	
Diesel Range Organics (C10-C28)	36.6	25.0	1	06/05/24	06/05/24	
Oil Range Organics (C28-C36)	116	50.0	1	06/05/24	06/05/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		06/05/24	06/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2423038	
Chloride	274	20.0	1	06/04/24	06/04/24	



Sample Data

Chevron
322 Road 3100
Aztec NM, 87410

Project Name: Neff 11-13
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
6/7/2024 2:28:57PM

BH02 1';

E406007-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423016
Benzene	ND	0.0250	1	06/03/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/06/24	
Toluene	ND	0.0250	1	06/03/24	06/06/24	
o-Xylene	ND	0.0250	1	06/03/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.2 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2423058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/24	06/05/24	
<i>Surrogate: n-Nonane</i>						
	98.5 %	50-200		06/05/24	06/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2423038
Chloride	29.4	20.0	1	06/04/24	06/04/24	



Sample Data

Chevron
322 Road 3100
Aztec NM, 87410

Project Name: Neff 11-13
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
6/7/2024 2:28:57PM

BH03 0.5'

E406007-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423016
Benzene	ND	0.0250	1	06/03/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/06/24	
Toluene	ND	0.0250	1	06/03/24	06/06/24	
o-Xylene	ND	0.0250	1	06/03/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2423058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/24	06/05/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		06/05/24	06/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2423038
Chloride	278	20.0	1	06/04/24	06/04/24	



Sample Data

Chevron
322 Road 3100
Aztec NM, 87410

Project Name: Neff 11-13
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
6/7/2024 2:28:57PM

BH03 1'

E406007-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423016
Benzene	ND	0.0250	1	06/03/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/06/24	
Toluene	ND	0.0250	1	06/03/24	06/06/24	
o-Xylene	ND	0.0250	1	06/03/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.8 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.7 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2423058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/24	06/05/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/24	06/05/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		06/05/24	06/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2423038
Chloride	32.1	20.0	1	06/04/24	06/04/24	



Sample Data

Chevron
322 Road 3100
Aztec NM, 87410

Project Name: Neff 11-13
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
6/7/2024 2:28:57PM

BH04 0.5'

E406007-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423016
Benzene	ND	0.0250	1	06/03/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/06/24	
Toluene	ND	0.0250	1	06/03/24	06/06/24	
o-Xylene	ND	0.0250	1	06/03/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.9 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.7 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2423058
Diesel Range Organics (C10-C28)	33.5	25.0	1	06/05/24	06/05/24	
Oil Range Organics (C28-C36)	116	50.0	1	06/05/24	06/05/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		06/05/24	06/05/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2423038
Chloride	225	20.0	1	06/04/24	06/04/24	



Sample Data

Chevron
322 Road 3100
Aztec NM, 87410

Project Name: Neff 11-13
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
6/7/2024 2:28:57PM

BH04 1'**E406007-08**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423016
Benzene	ND	0.0250	1	06/03/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/06/24	
Toluene	ND	0.0250	1	06/03/24	06/06/24	
o-Xylene	ND	0.0250	1	06/03/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2423016
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.5 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2423058
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/24	06/06/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		06/05/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2423038
Chloride	34.6	20.0	1	06/04/24	06/04/24	



Sample Data

Chevron	Project Name:	Neff 11-13	Reported: 6/7/2024 2:28:57PM
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	

BH05 0.5'
E406007-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2423016	
Benzene	ND	0.0250	1	06/03/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/06/24	
Toluene	ND	0.0250	1	06/03/24	06/06/24	
o-Xylene	ND	0.0250	1	06/03/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.4 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2423016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.7 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2423058	
Diesel Range Organics (C10-C28)	33.0	25.0	1	06/05/24	06/06/24	
Oil Range Organics (C28-C36)	117	50.0	1	06/05/24	06/06/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		06/05/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2423038	
Chloride	219	20.0	1	06/04/24	06/04/24	



Sample Data

Chevron	Project Name:	Neff 11-13	Reported: 6/7/2024 2:28:57PM
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	

BH05 1'

E406007-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2423016	
Benzene	ND	0.0250	1	06/03/24	06/06/24	
Ethylbenzene	ND	0.0250	1	06/03/24	06/06/24	
Toluene	ND	0.0250	1	06/03/24	06/06/24	
o-Xylene	ND	0.0250	1	06/03/24	06/06/24	
p,m-Xylene	ND	0.0500	1	06/03/24	06/06/24	
Total Xylenes	ND	0.0250	1	06/03/24	06/06/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2423016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/24	06/06/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		06/03/24	06/06/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2423058	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/05/24	06/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	06/05/24	06/06/24	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		06/05/24	06/06/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2423038	
Chloride	24.8	20.0	1	06/04/24	06/04/24	



QC Summary Data

Chevron	Project Name:	Neff 11-13	Reported:
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	6/7/2024 2:28:57PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2423016-BLK1)

Prepared: 06/03/24 Analyzed: 06/06/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.8	70-130			

LCS (2423016-BS1)

Prepared: 06/03/24 Analyzed: 06/06/24

Benzene	4.88	0.0250	5.00		97.7	70-130			
Ethylbenzene	4.69	0.0250	5.00		93.8	70-130			
Toluene	4.80	0.0250	5.00		96.0	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.49	0.0500	10.0		94.9	70-130			
Total Xylenes	14.2	0.0250	15.0		94.4	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.47		8.00		93.3	70-130			

LCS Dup (2423016-BSD1)

Prepared: 06/03/24 Analyzed: 06/06/24

Benzene	4.64	0.0250	5.00		92.8	70-130	5.16	20	
Ethylbenzene	4.48	0.0250	5.00		89.5	70-130	4.65	20	
Toluene	4.57	0.0250	5.00		91.3	70-130	4.95	20	
o-Xylene	4.48	0.0250	5.00		89.6	70-130	4.22	20	
p,m-Xylene	9.09	0.0500	10.0		90.9	70-130	4.36	20	
Total Xylenes	13.6	0.0250	15.0		90.4	70-130	4.31	20	
Surrogate: 4-Bromochlorobenzene-PID	7.46		8.00		93.3	70-130			



QC Summary Data

Chevron	Project Name:	Neff 11-13	Reported:
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	6/7/2024 2:28:57PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2423016-BLK1) Prepared: 06/03/24 Analyzed: 06/06/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.8	70-130			

LCS (2423016-BS2) Prepared: 06/03/24 Analyzed: 06/06/24

Gasoline Range Organics (C6-C10)	47.1	20.0	50.0		94.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			

LCS Dup (2423016-BSD2) Prepared: 06/03/24 Analyzed: 06/06/24

Gasoline Range Organics (C6-C10)	48.8	20.0	50.0		97.6	70-130	3.58	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			



QC Summary Data

Chevron	Project Name:	Neff 11-13	Reported:
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	6/7/2024 2:28:57PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2423058-BLK1)					Prepared: 06/05/24 Analyzed: 06/05/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.0		50.0		112	50-200			

LCS (2423058-BS1)					Prepared: 06/05/24 Analyzed: 06/05/24				
Diesel Range Organics (C10-C28)	311	25.0	250		124	38-132			
Surrogate: n-Nonane	56.2		50.0		112	50-200			

LCS Dup (2423058-BSD1)					Prepared: 06/05/24 Analyzed: 06/05/24				
Diesel Range Organics (C10-C28)	309	25.0	250		124	38-132	0.693	20	
Surrogate: n-Nonane	55.2		50.0		110	50-200			



QC Summary Data

Chevron	Project Name:	Neff 11-13	Reported:
322 Road 3100	Project Number:	23077-0001	
Aztec NM, 87410	Project Manager:	Erick Herrera	6/7/2024 2:28:57PM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2423038-BLK1)					Prepared: 06/04/24 Analyzed: 06/04/24				
Chloride	ND	20.0							
LCS (2423038-BS1)					Prepared: 06/04/24 Analyzed: 06/04/24				
Chloride	249	20.0	250		99.6	90-110			
LCS Dup (2423038-BSD1)					Prepared: 06/04/24 Analyzed: 06/04/24				
Chloride	248	20.0	250		99.1	90-110	0.510	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Chevron	Project Name:	Neff 11-13	
322 Road 3100	Project Number:	23077-0001	Reported:
Aztec NM, 87410	Project Manager:	Erick Herrera	06/07/24 14:28

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with ** are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Released to Imaging: 11/18/2024 11:26:04 AM

Received by OCD: 11/17/2024 1:48:10 PM

Client: Chevron USA, Inc.	Bill To	Lab Use Only	TAT	EPA Program											
Client name: Amy Barnhill	Attention: Erick Herrera	Lab WO#	1D 2D 3D Standard	CWA SDWA											
Project Manager: Erick Herrera	Address: 13000 W County Rd 100	E 406007	5 day TAT												
Project: Neff 11-13	City, State, Zip: Midland, TX, 79711	Job Number		RCRA											
Etech Project #: 16740	Phone: (432)563-2200	Analysis and Method													
Phone: (432)305-6416	Email: erick@etechenv.com, joseph@etechenv.com	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State					
mail: erick@etechenv.com	Company Name: Etech Environmental & Safety Solutions									NM	CO	UT	AZ	TX	
collected by: Edyte Konan	Incident ID: nAPP2227367047														

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Depth(ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	Remarks
10:00	5/30/2024	S	1	BH01	1	0.5'						X		
10:10	5/30/2024	S	1	BH01	2	1'						X		
10:20	5/30/2024	S	1	BH02	3	0.5'						X		
10:30	5/30/2024	S	1	BH02	4	1'						X		
10:40	5/30/2024	S	1	BH03	5	0.5'						X		
10:50	5/30/2024	S	1	BH03	6	1'						X		
11:00	5/30/2024	S	1	BH04	7	0.5'						X		
11:10	5/30/2024	S	1	BH04	8	1'						X		
11:20	5/30/2024	S	1	BH05	9	0.5'						X		
11:30	5/30/2024	S	1	BH05	10	1'						X		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<i>[Signature]</i>	05/31/24	09:30	<i>[Signature]</i>	5.31.24	930	Received on ice: (Y) N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1 T2 T3
<i>[Signature]</i>	6-1-24	1620	<i>[Signature]</i>	06/03/24	0800	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C
						4

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Envirotech Analytical Laboratory

Printed: 6/3/2024 1:59:31PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Chevron	Date Received:	06/03/24 08:00	Work Order ID:	E406007
Phone:	(505)326-2657	Date Logged In:	06/03/24 11:19	Logged In By:	Angelina Pineda
Email:		Due Date:	06/10/24 17:00 (5 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Erick Herrera



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Chevron, USA

Project Name: Neff11-13

Work Order: E410232

Job Number: 23077-0001

Received: 10/21/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/24/24

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/24/24

Erick Herrera
6301 Deauville Blvd
Midland, TX 79706



Project Name: Neff11-13
Workorder: E410232
Date Received: 10/21/2024 7:30:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/21/2024 7:30:00AM, under the Project Name: Neff11-13.

The analytical test results summarized in this report with the Project Name: Neff11-13 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

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Cell: 775-287-1762
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Sample Summary

Chevron, USA 6301 Deauville Blvd Midland TX, 79706	Project Name: Neff11-13 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 10/24/24 10:16
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Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH06 0.5'	E410232-01A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH06 1'	E410232-02A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH07 0.5'	E410232-03A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH07 1'	E410232-04A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH08 0.5'	E410232-05A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH08 1'	E410232-06A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH09 0.5'	E410232-07A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH09 1'	E410232-08A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH10 0.5'	E410232-09A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH10 1'	E410232-10A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH11 0.5'	E410232-11A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH11 1'	E410232-12A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH12 0.5'	E410232-13A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH12 1'	E410232-14A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH13 0.5'	E410232-15A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH13 1'	E410232-16A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH14 0.5'	E410232-17A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.
BH14 1'	E410232-18A	Soil	10/17/24	10/21/24	Glass Jar, 2 oz.



Sample Data

Chevron, USA 6301 Deauville Blvd Midland TX, 79706	Project Name: Neff11-13 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 10/24/2024 10:16:06AM
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BH06 0.5'

E410232-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/21/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/21/24	
Toluene	ND	0.0250	1	10/21/24	10/21/24	
o-Xylene	ND	0.0250	1	10/21/24	10/21/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/21/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/21/24	
Surrogate: 4-Bromochlorobenzene-PID	89.9 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/21/24	
Surrogate: n-Nonane	98.3 %	50-200		10/21/24	10/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA	Project Name:	Neff11-13	Reported: 10/24/2024 10:16:06AM
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	

BH06 1'

E410232-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/21/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/21/24	
Toluene	ND	0.0250	1	10/21/24	10/21/24	
o-Xylene	ND	0.0250	1	10/21/24	10/21/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/21/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.4 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/21/24	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		10/21/24	10/21/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA	Project Name:	Neff11-13	Reported: 10/24/2024 10:16:06AM
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	

BH07 0.5'

E410232-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.9 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/21/24	
<i>Surrogate: n-Nonane</i>						
	92.8 %	50-200		10/21/24	10/21/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA 6301 Deauville Blvd Midland TX, 79706	Project Name: Neff11-13 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 10/24/2024 10:16:06AM
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BH07 1'

E410232-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID	91.1 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.9 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/21/24	
Surrogate: n-Nonane	103 %	50-200		10/21/24	10/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA 6301 Deauville Blvd Midland TX, 79706	Project Name: Neff11-13 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 10/24/2024 10:16:06AM
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BH08 0.5'

E410232-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID	90.2 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.0 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/21/24	
Surrogate: n-Nonane	105 %	50-200		10/21/24	10/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA 6301 Deauville Blvd Midland TX, 79706	Project Name: Neff11-13 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 10/24/2024 10:16:06AM
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BH08 1'

E410232-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID	90.9 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.4 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/21/24	
Surrogate: n-Nonane	105 %	50-200		10/21/24	10/21/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA 6301 Deauville Blvd Midland TX, 79706	Project Name: Neff11-13 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 10/24/2024 10:16:06AM
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BH09 0.5'

E410232-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.1 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/21/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		10/21/24	10/21/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA 6301 Deauville Blvd Midland TX, 79706	Project Name: Neff11-13 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 10/24/2024 10:16:06AM
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BH09 1'

E410232-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID	90.2 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane	102 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA	Project Name:	Neff11-13	Reported: 10/24/2024 10:16:06AM
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	

BH10 0.5'

E410232-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.3 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA	Project Name:	Neff11-13	Reported: 10/24/2024 10:16:06AM
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	

BH10 1'

E410232-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID	90.6 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane	105 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/22/24	



Sample Data

Chevron, USA 6301 Deauville Blvd Midland TX, 79706	Project Name: Neff11-13 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 10/24/2024 10:16:06AM
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BH11 0.5'

E410232-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.9 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/22/24	



Sample Data

Chevron, USA 6301 Deauville Blvd Midland TX, 79706	Project Name: Neff11-13 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 10/24/2024 10:16:06AM
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BH11 1'

E410232-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.0 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/22/24	



Sample Data

Chevron, USA
6301 Deauville Blvd
Midland TX, 79706

Project Name: Neff11-13
Project Number: 23077-0001
Project Manager: Erick Herrera

Reported:
10/24/2024 10:16:06AM

BH12 0.5'**E410232-13**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.7 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/22/24	



Sample Data

Chevron, USA	Project Name:	Neff11-13	Reported: 10/24/2024 10:16:06AM
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	

BH12 1'

E410232-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID	90.6 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.0 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane	108 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/22/24	



Sample Data

Chevron, USA 6301 Deauville Blvd Midland TX, 79706	Project Name: Neff11-13 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 10/24/2024 10:16:06AM
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BH13 0.5'

E410232-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	0.0403	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	0.0729	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	0.180	0.0500	1	10/21/24	10/22/24	
Total Xylenes	0.252	0.0250	1	10/21/24	10/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.8 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/22/24	



Sample Data

Chevron, USA 6301 Deauville Blvd Midland TX, 79706	Project Name: Neff11-13 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 10/24/2024 10:16:06AM
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BH13 1'

E410232-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID	91.1 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.9 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane	109 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	ND	20.0	1	10/21/24	10/22/24	



Sample Data

Chevron, USA 6301 Deauville Blvd Midland TX, 79706	Project Name: Neff11-13 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 10/24/2024 10:16:06AM
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BH14 0.5'

E410232-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	118	20.0	1	10/21/24	10/22/24	



Sample Data

Chevron, USA 6301 Deauville Blvd Midland TX, 79706	Project Name: Neff11-13 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 10/24/2024 10:16:06AM
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BH14 1'

E410232-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Benzene	ND	0.0250	1	10/21/24	10/22/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/22/24	
Toluene	ND	0.0250	1	10/21/24	10/22/24	
o-Xylene	ND	0.0250	1	10/21/24	10/22/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/22/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/22/24	
Surrogate: 4-Bromochlorobenzene-PID	91.1 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443021	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/22/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.1 %	70-130		10/21/24	10/22/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443016	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane	116 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2443025	
Chloride	163	20.0	1	10/21/24	10/22/24	



QC Summary Data

Chevron, USA	Project Name:	Neff11-13	Reported:
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	10/24/2024 10:16:06AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2443021-BLK1) Prepared: 10/21/24 Analyzed: 10/21/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.32		8.00		91.5	70-130			

LCS (2443021-BS1) Prepared: 10/21/24 Analyzed: 10/22/24

Benzene	4.98	0.0250	5.00		99.7	70-130			
Ethylbenzene	4.85	0.0250	5.00		96.9	70-130			
Toluene	4.93	0.0250	5.00		98.5	70-130			
o-Xylene	4.85	0.0250	5.00		97.0	70-130			
p,m-Xylene	9.85	0.0500	10.0		98.5	70-130			
Total Xylenes	14.7	0.0250	15.0		98.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.29		8.00		91.1	70-130			

LCS Dup (2443021-BSD1) Prepared: 10/21/24 Analyzed: 10/22/24

Benzene	4.99	0.0250	5.00		99.8	70-130	0.142	20	
Ethylbenzene	4.84	0.0250	5.00		96.8	70-130	0.0723	20	
Toluene	4.92	0.0250	5.00		98.5	70-130	0.0477	20	
o-Xylene	4.84	0.0250	5.00		96.8	70-130	0.205	20	
p,m-Xylene	9.84	0.0500	10.0		98.4	70-130	0.116	20	
Total Xylenes	14.7	0.0250	15.0		97.9	70-130	0.145	20	
Surrogate: 4-Bromochlorobenzene-PID	7.31		8.00		91.3	70-130			



QC Summary Data

Chevron, USA	Project Name:	Neff11-13	Reported:
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	10/24/2024 10:16:06AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443021-BLK1) Prepared: 10/21/24 Analyzed: 10/21/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.40		8.00		92.5	70-130			

LCS (2443021-BS2) Prepared: 10/21/24 Analyzed: 10/21/24

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			

LCS Dup (2443021-BSD2) Prepared: 10/21/24 Analyzed: 10/21/24

Gasoline Range Organics (C6-C10)	41.8	20.0	50.0		83.6	70-130	2.72	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



QC Summary Data

Chevron, USA	Project Name:	Neff11-13	Reported:
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	10/24/2024 10:16:06AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2443016-BLK1) Prepared: 10/21/24 Analyzed: 10/21/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.3		50.0		101	50-200			

LCS (2443016-BS1) Prepared: 10/21/24 Analyzed: 10/21/24

Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	53.1		50.0		106	50-200			

Matrix Spike (2443016-MS1) Source: E410232-12 Prepared: 10/21/24 Analyzed: 10/21/24

Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	48.9		50.0		97.8	50-200			

Matrix Spike Dup (2443016-MSD1) Source: E410232-12 Prepared: 10/21/24 Analyzed: 10/21/24

Diesel Range Organics (C10-C28)	276	25.0	250	ND	110	38-132	6.20	20	
Surrogate: n-Nonane	48.7		50.0		97.3	50-200			



QC Summary Data

Chevron, USA	Project Name:	Neff11-13	Reported:
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	10/24/2024 10:16:06AM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2443025-BLK1)					Prepared: 10/21/24 Analyzed: 10/21/24				
Chloride	ND	20.0							
LCS (2443025-BS1)					Prepared: 10/21/24 Analyzed: 10/21/24				
Chloride	250	20.0	250		100	90-110			
Matrix Spike (2443025-MS1)					Source: E410232-07		Prepared: 10/21/24 Analyzed: 10/21/24		
Chloride	254	20.0	250	ND	102	80-120			
Matrix Spike Dup (2443025-MSD1)					Source: E410232-07		Prepared: 10/21/24 Analyzed: 10/21/24		
Chloride	254	20.0	250	ND	102	80-120	0.109	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Chevron, USA	Project Name:	Neff11-13	
6301 Deauville Blvd	Project Number:	23077-0001	Reported:
Midland TX, 79706	Project Manager:	Erick Herrera	10/24/24 10:16

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: Chevron USA, Inc.					Bill To		Lab Use Only						TAT				EPA Program			
Client name: Amy Barnhill					Attention: Erick Herrera		Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Erick Herrera					Address: 13000 W County Rd 100		E 410232		23077.0001							5 day TAT				
Project: Neff 11-13					City, State, Zip: Midland, TX, 79711		Analysis and Method													RCRA
Etech Project #: 16740					Phone: (432)563-2200		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State					
Phone: (432)305-6416					Email: erick@etechenv.com, joseph@etechenv.com										NM	CO	UT	AZ	TX	
Email: erick@etechenv.com					WBS/WO:															
Collected by: Haleigh Blume					Incident ID: nAPP2227367047															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks				
10:00	10/17/2024	S	1	BH06	1	0.5'							X							
10:05	10/17/2024	S	1	BH06	2	1'							X							
10:10	10/17/2024	S	1	BH07	3	0.5'							X							
10:15	10/17/2024	S	1	BH07	4	1'							X							
10:25	10/17/2024	S	1	BH08	5	0.5'							X							
10:30	10/17/2024	S	1	BH08	6	1'							X							
10:35	10/17/2024	S	1	BH09	7	0.5'							X							
10:40	10/17/2024	S	1	BH09	8	1'							X							
10:45	10/17/2024	S	1	BH10	9	0.5'							X							
10:50	10/17/2024	S	1	BH10	10	1'							X							

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: HB

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only Received on ice: Y / N T1 T2 T3 AVG Temp °C 4
Haleigh Blume	10/18/24		Michelle Gonzales	10-18-24	1528	
Michelle Gonzales	10-18-24	2115	J.H.	10-18-24	2115	
J.H.	10-18-24	2400	Dina Lehman	10/21/24	7:20	


Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is



envirotech

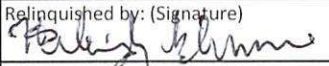
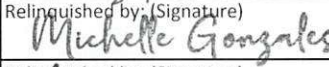
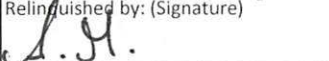
Client: Chevron USA, Inc.					Bill To		Lab Use Only						TAT				EPA Program			
Client name: Amy Barnhill					Attention: Erick Herrera		Lab WO#		Job Number				1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Erick Herrera					Address: 13000 W County Rd 100		E410232		23677-0001							5 day TAT				
Project: Neff 11-13					City, State, Zip: Midland, TX, 79711		Analysis and Method												RCRA	
Etech Project #: 16740					Phone: (432)563-2200		Depth (ft.)	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	GDOC TX	State					
Phone: (432)305-6416					Email: erick@etechenv.com, joseph@etechenv.com										NM	CO	UT	AZ	TX	
Email: erick@etechenv.com					WBS/WO:															
Collected by: Haleigh Blume					Incident ID: nAPP2227367047															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks				
11:30	10/17/2024	S	1	BH11	11	0.5'							X							
11:35	10/17/2024	S	1	BH11	12	1'							X							
11:40	10/17/2024	S	1	BH12	13	0.5'							X							
11:45	10/17/2024	S	1	BH12	14	1'							X							
12:30	10/17/2024	S	1	BH13	15	0.5'							X							
12:35	10/17/2024	S	1	BH13	16	1'							X							
15:30	10/17/2024	S	1	BH14	17	0.5'							X							
15:35	10/17/2024	S	1	BH14	18	1'							X							
																				

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: HB

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only	
		10/18/2024		Michelle Gonzales		10-18-24	1528	Received on ice: <input checked="" type="checkbox"/> / N	
		10-18-24	2115	L.H.		10-18-24	2115	T1 T2 T3	
		10-18-24	2400	Raina Lums		10/21/24	7:30	AVG Temp °C 4	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is



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Envirotech Analytical Laboratory

Printed: 10/21/2024 8:45:52AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Chevron, USA	Date Received:	10/21/24 07:30	Work Order ID:	E410232
Phone:	(575) 366-2266	Date Logged In:	10/21/24 08:13	Logged In By:	Caitlin Mars
Email:	erick@etechnv.com	Due Date:	10/25/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Erick Herrera



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Chevron, USA

Project Name: Neff11-13

Work Order: E410226

Job Number: 23077-0001

Received: 10/21/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/23/24

5796 U.S. Hwy 64
Farmington, NM 87401

Phone: (505) 632-1881
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/23/24

Erick Herrera
6301 Deauville Blvd
Midland, TX 79706



Project Name: Neff11-13
Workorder: E410226
Date Received: 10/21/2024 7:15:00AM

Erick Herrera,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/21/2024 7:15:00AM, under the Project Name: Neff11-13.

The analytical test results summarized in this report with the Project Name: Neff11-13 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

Walter Hinchman
Laboratory Director
Office: 505-632-1881
Cell: 775-287-1762
whinchman@envirotech-inc.com

Raina Schwanz
Laboratory Administrator
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Sample Summary

Chevron, USA	Project Name:	Neff11-13	Reported:
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	10/23/24 08:16

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH15 0.5'	E410226-01A	Soil	10/18/24	10/21/24	Glass Jar, 2 oz.
BH15 1'	E410226-02A	Soil	10/18/24	10/21/24	Glass Jar, 2 oz.
BH16 0.5'	E410226-03A	Soil	10/18/24	10/21/24	Glass Jar, 2 oz.
BH16 1'	E410226-04A	Soil	10/18/24	10/21/24	Glass Jar, 2 oz.
BH17 0.5'	E410226-05A	Soil	10/18/24	10/21/24	Glass Jar, 2 oz.
BH17 1'	E410226-06A	Soil	10/18/24	10/21/24	Glass Jar, 2 oz.
BH18 0.5'	E410226-07A	Soil	10/18/24	10/21/24	Glass Jar, 2 oz.
BH18 1'	E410226-08A	Soil	10/18/24	10/21/24	Glass Jar, 2 oz.
BH19 0.5'	E410226-09A	Soil	10/18/24	10/21/24	Glass Jar, 2 oz.
BH19 1'	E410226-10A	Soil	10/18/24	10/21/24	Glass Jar, 2 oz.



Sample Data

Chevron, USA 6301 Deauville Blvd Midland TX, 79706	Project Name: Neff11-13 Project Number: 23077-0001 Project Manager: Erick Herrera	Reported: 10/23/2024 8:16:00AM
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BH15 0.5'
E410226-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Benzene	ND	0.0250	1	10/21/24	10/21/24	
Ethylbenzene	0.0652	0.0250	1	10/21/24	10/21/24	
Toluene	ND	0.0250	1	10/21/24	10/21/24	
o-Xylene	0.0905	0.0250	1	10/21/24	10/21/24	
p,m-Xylene	0.288	0.0500	1	10/21/24	10/21/24	
Total Xylenes	0.379	0.0250	1	10/21/24	10/21/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.8 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443009	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane	113 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2443005	
Chloride	ND	20.0	1	10/21/24	10/21/24	

Sample Data

Chevron, USA	Project Name:	Neff11-13	Reported: 10/23/2024 8:16:00AM
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	

BH15 1'

E410226-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Benzene	ND	0.0250	1	10/21/24	10/21/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/21/24	
Toluene	ND	0.0250	1	10/21/24	10/21/24	
o-Xylene	ND	0.0250	1	10/21/24	10/21/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/21/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.2 %	70-130	10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443009	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	10/21/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443005	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA	Project Name:	Neff11-13	Reported: 10/23/2024 8:16:00AM
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	

BH16 0.5'

E410226-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Benzene	ND	0.0250	1	10/21/24	10/21/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/21/24	
Toluene	ND	0.0250	1	10/21/24	10/21/24	
o-Xylene	ND	0.0250	1	10/21/24	10/21/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/21/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.1 %	70-130	10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443009	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	10/21/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443005	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA	Project Name:	Neff11-13	Reported: 10/23/2024 8:16:00AM
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	

BH16 1'

E410226-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Benzene	ND	0.0250	1	10/21/24	10/21/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/21/24	
Toluene	ND	0.0250	1	10/21/24	10/21/24	
o-Xylene	ND	0.0250	1	10/21/24	10/21/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/21/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.4 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443009	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443005	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA	Project Name:	Neff11-13	Reported: 10/23/2024 8:16:00AM
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	

BH17 0.5'

E410226-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Benzene	ND	0.0250	1	10/21/24	10/21/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/21/24	
Toluene	ND	0.0250	1	10/21/24	10/21/24	
o-Xylene	ND	0.0250	1	10/21/24	10/21/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/21/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.0 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443009	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443005	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA	Project Name:	Neff11-13	Reported: 10/23/2024 8:16:00AM
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	

BH17 1'

E410226-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Benzene	ND	0.0250	1	10/21/24	10/21/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/21/24	
Toluene	ND	0.0250	1	10/21/24	10/21/24	
o-Xylene	ND	0.0250	1	10/21/24	10/21/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/21/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/21/24	
Surrogate: 4-Bromochlorobenzene-PID	99.7 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/21/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.6 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2443009	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
Surrogate: n-Nonane	111 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: IY		Batch: 2443005	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA	Project Name:	Neff11-13	Reported: 10/23/2024 8:16:00AM
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	

BH18 0.5'

E410226-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Benzene	ND	0.0250	1	10/21/24	10/21/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/21/24	
Toluene	ND	0.0250	1	10/21/24	10/21/24	
o-Xylene	ND	0.0250	1	10/21/24	10/21/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/21/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.0 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	88.9 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443009	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443005	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA	Project Name:	Neff11-13	Reported: 10/23/2024 8:16:00AM
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	

BH18 1'

E410226-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Benzene	ND	0.0250	1	10/21/24	10/21/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/21/24	
Toluene	ND	0.0250	1	10/21/24	10/21/24	
o-Xylene	ND	0.0250	1	10/21/24	10/21/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/21/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.9 %	70-130	10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443009	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
		102 %	50-200	10/21/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443005	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA	Project Name:	Neff11-13	Reported: 10/23/2024 8:16:00AM
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	

BH19 0.5'

E410226-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Benzene	ND	0.0250	1	10/21/24	10/21/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/21/24	
Toluene	ND	0.0250	1	10/21/24	10/21/24	
o-Xylene	ND	0.0250	1	10/21/24	10/21/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/21/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.3 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443009	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		10/21/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443005	
Chloride	ND	20.0	1	10/21/24	10/21/24	



Sample Data

Chevron, USA	Project Name:	Neff11-13	Reported: 10/23/2024 8:16:00AM
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	

BH19 1'

E410226-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Benzene	ND	0.0250	1	10/21/24	10/21/24	
Ethylbenzene	ND	0.0250	1	10/21/24	10/21/24	
Toluene	ND	0.0250	1	10/21/24	10/21/24	
o-Xylene	ND	0.0250	1	10/21/24	10/21/24	
p,m-Xylene	ND	0.0500	1	10/21/24	10/21/24	
Total Xylenes	ND	0.0250	1	10/21/24	10/21/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2443002	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/21/24	10/21/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		89.8 %	70-130	10/21/24	10/21/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2443009	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/21/24	10/22/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/21/24	10/22/24	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	10/21/24	10/22/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: IY		Batch: 2443005	
Chloride	ND	20.0	1	10/21/24	10/21/24	



QC Summary Data

Chevron, USA	Project Name:	Neff11-13	Reported:
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	10/23/2024 8:16:00AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443002-BLK1) Prepared: 10/21/24 Analyzed: 10/21/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			

LCS (2443002-BS1) Prepared: 10/21/24 Analyzed: 10/21/24

Benzene	4.99	0.0250	5.00		99.9	70-130			
Ethylbenzene	4.88	0.0250	5.00		97.5	70-130			
Toluene	4.95	0.0250	5.00		99.0	70-130			
o-Xylene	4.88	0.0250	5.00		97.6	70-130			
p,m-Xylene	9.95	0.0500	10.0		99.5	70-130			
Total Xylenes	14.8	0.0250	15.0		98.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.07		8.00		101	70-130			

Matrix Spike (2443002-MS1) Source: E410226-07 Prepared: 10/21/24 Analyzed: 10/21/24

Benzene	5.83	0.0250	5.00	ND	117	54-133			
Ethylbenzene	5.67	0.0250	5.00	ND	113	61-133			
Toluene	5.78	0.0250	5.00	ND	116	61-130			
o-Xylene	5.68	0.0250	5.00	ND	114	63-131			
p,m-Xylene	11.5	0.0500	10.0	ND	115	63-131			
Total Xylenes	17.2	0.0250	15.0	ND	115	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.94		8.00		99.3	70-130			

Matrix Spike Dup (2443002-MSD1) Source: E410226-07 Prepared: 10/21/24 Analyzed: 10/21/24

Benzene	4.89	0.0250	5.00	ND	97.9	54-133	17.5	20	
Ethylbenzene	4.78	0.0250	5.00	ND	95.5	61-133	17.2	20	
Toluene	4.86	0.0250	5.00	ND	97.1	61-130	17.3	20	
o-Xylene	4.78	0.0250	5.00	ND	95.6	63-131	17.2	20	
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	63-131	17.0	20	
Total Xylenes	14.5	0.0250	15.0	ND	96.8	63-131	17.0	20	
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		100	70-130			



QC Summary Data

Chevron, USA	Project Name:	Neff11-13	Reported:
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	10/23/2024 8:16:00AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443002-BLK1) Prepared: 10/21/24 Analyzed: 10/21/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.11		8.00		88.9	70-130			

LCS (2443002-BS2) Prepared: 10/21/24 Analyzed: 10/21/24

Gasoline Range Organics (C6-C10)	42.8	20.0	50.0		85.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.2	70-130			

Matrix Spike (2443002-MS2) Source: E410226-07 Prepared: 10/21/24 Analyzed: 10/21/24

Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.21		8.00		90.1	70-130			

Matrix Spike Dup (2443002-MSD2) Source: E410226-07 Prepared: 10/21/24 Analyzed: 10/21/24

Gasoline Range Organics (C6-C10)	38.8	20.0	50.0	ND	77.5	70-130	10.9	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			



QC Summary Data

Chevron, USA	Project Name:	Neff11-13	Reported:
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	10/23/2024 8:16:00AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2443009-BLK1)					Prepared: 10/21/24 Analyzed: 10/22/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.6		50.0		111	50-200			

LCS (2443009-BS1)					Prepared: 10/21/24 Analyzed: 10/22/24				
Diesel Range Organics (C10-C28)	274	25.0	250		109	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			

Matrix Spike (2443009-MS1)					Source: E410224-07		Prepared: 10/21/24 Analyzed: 10/22/24		
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132			
Surrogate: n-Nonane	56.1		50.0		112	50-200			

Matrix Spike Dup (2443009-MSD1)					Source: E410224-07		Prepared: 10/21/24 Analyzed: 10/22/24		
Diesel Range Organics (C10-C28)	295	25.0	250	ND	118	38-132	2.06	20	
Surrogate: n-Nonane	57.8		50.0		116	50-200			



QC Summary Data

Chevron, USA	Project Name:	Neff11-13	Reported:
6301 Deauville Blvd	Project Number:	23077-0001	
Midland TX, 79706	Project Manager:	Erick Herrera	10/23/2024 8:16:00AM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2443005-BLK1)					Prepared: 10/21/24 Analyzed: 10/21/24				
Chloride	ND	20.0							
LCS (2443005-BS1)					Prepared: 10/21/24 Analyzed: 10/21/24				
Chloride	259	20.0	250		104	90-110			
Matrix Spike (2443005-MS1)					Source: E410224-04		Prepared: 10/21/24 Analyzed: 10/21/24		
Chloride	422	20.0	250	151	108	80-120			
Matrix Spike Dup (2443005-MSD1)					Source: E410224-04		Prepared: 10/21/24 Analyzed: 10/21/24		
Chloride	411	20.0	250	151	104	80-120	2.59	20	

QC Summary Report Comment:
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Chevron, USA	Project Name:	Neff11-13	
6301 Deauville Blvd	Project Number:	23077-0001	Reported:
Midland TX, 79706	Project Manager:	Erick Herrera	10/23/24 08:16

- ND Analyte NOT DETECTED at or above the reporting limit
 - NR Not Reported
 - RPD Relative Percent Difference
 - DNI Did Not Ignite
 - DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Client: <u>Chevron USA Inc</u>		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Am 2 Bt H11120 NOT 11-13</u>		Attention: <u>Joseph Hernandez</u>		Lab WO# <u>E 410226</u>		Job Number <u>230770001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Abraham Valladares</u>		Address: <u>13000 W. County Rd 100</u>		City, State, Zip: <u>Odessa, TX 79726</u>		Analysis and Method						RCRA	
Address:		Phone: <u>8821563-2200</u>		Email: <u>joseph@etechenv.com</u>									
City, State, Zip													
Phone:													
Email: <u>abvalladares@etechenv.com</u>													
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC - NM	TX -5051 D321	Remarks
0840	11/15/24	HB S	1	BH15	1							X		
0845	11/15/24	HB S	1	BH15	2							X		
0846	11/15/24	HB S	1	BH16	3							X		
0849	11/15/24	HB S	1	BH16	4							X		
0852	11/17/24	HB S	1	BH17	5							X		
0855	11/17/24	HB S	1	BH17	6							X		
0858	11/18/24	HB S	1	BH18	7							X		
0901	11/18/24	HB S	1	BH18	8							X		
0904	11/19/24	HB S	1	BH19	9							X		
0907	11/19/24	HB S	1	BH20	10							X		

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature) <u>Michelle Gonzalez</u>	Date <u>11/18/24</u>	Time <u>1350</u>	Received by: (Signature) <u>Michelle Gonzalez</u>	Date <u>10-18-24</u>	Time <u>1350</u>	Lab Use Only Received on ice: <u>(Y)</u> N
Relinquished by: (Signature) <u>J.H.</u>	Date <u>10-18-24</u>	Time <u>2115</u>	Received by: (Signature) <u>J.H.</u>	Date <u>10-18-24</u>	Time <u>2115</u>	T1 _____ T2 _____ T3 _____
Relinquished by: (Signature) <u>J.H.</u>	Date <u>10-18-24</u>	Time <u>2400</u>	Received by: (Signature) <u>J.H.</u>	Date <u>10-21-24</u>	Time <u>0715</u>	AVG Temp °C <u>4</u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



envirotech

Envirotech Analytical Laboratory

Printed: 10/21/2024 9:10:17AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Chevron, USA	Date Received:	10/21/24 07:15	Work Order ID:	E410226
Phone:	(575) 366-2266	Date Logged In:	10/18/24 15:47	Logged In By:	Caitlin Mars
Email:	erick@etechnv.com	Due Date:	10/25/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? No
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierComments/Resolution

Sampled by name is missing on COC by client.

Sample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? No

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client Instruction

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

APPENDIX G

Correspondence & Notifications

P.O. Box 62228 Midland • TX • 79711 • Tel: 432-563-2200 • Fax: 432-563-2213



District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 310318

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 310318
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2227367047
Incident Name	NAPP2227367047 NEFF 11-13 @ 0
Incident Type	Release Other
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	NEFF 11-13
Date Release Discovered	09/15/2022
Surface Owner	Federal

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	225
What is the estimated number of samples that will be gathered	6
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/05/2024
Time sampling will commence	10:00 AM
Please provide any information necessary for observers to contact samplers	Blake Estep Contact # 432-894-6038
Please provide any information necessary for navigation to sampling site	GPS: 32.393378, -103.730022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 310318

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 310318
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
abarnhill	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/1/2024

District I

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

QUESTIONS

Action 321016

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 321016
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2227367047
Incident Name	NAPP2227367047 NEFF 11-13 @ 0
Incident Type	Release Other
Incident Status	Initial C-141 Approved

Location of Release Source

Site Name	NEFF 11-13
Date Release Discovered	09/15/2022
Surface Owner	Federal

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	100
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/09/2024
Time sampling will commence	11:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Spencer Blackwood # 432.653.6281
Please provide any information necessary for navigation to sampling site	GPS: 32.393379, -103.730026

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Santa Fe, NM 87505

CONDITIONS

Action 321016

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 321016
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
abarnhill	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/7/2024

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

QUESTIONS

Action 391052

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 391052
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2227367047
Incident Name	NAPP2227367047 NEFF 13 FEDERAL #011 @ 30-015-29582
Incident Type	Release Other
Incident Status	Initial C-141 Approved
Incident Well	[30-015-29582] NEFF 13 FEDERAL #011

Location of Release Source

Site Name	NEFF 13 FEDERAL #011
Date Release Discovered	09/15/2022
Surface Owner	Federal

Sampling Event General Information*Please answer all the questions in this group.*

What is the sampling surface area in square feet	10,500
What is the estimated number of samples that will be gathered	20
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/17/2024
Time sampling will commence	08:30 AM
Please provide any information necessary for observers to contact samplers	Please contact Joseph Hernandez at 432-305-6413 with any questions
Please provide any information necessary for navigation to sampling site	From the intersection of Campbell Road and Red Road, travel NE on Campbell Road for 1 mile, travel 250 feet to the provided GPS coordinates (32.393379, -103.730022)

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Oil Conservation Division
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Santa Fe, NM 87505

CONDITIONS

Action 391052

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 391052
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
abarnhill	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	10/9/2024

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Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

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

QUESTIONS

Action 404019

QUESTIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 404019
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2227367047
Incident Name	NAPP2227367047 NEFF 13 FEDERAL #011 @ 30-015-29582
Incident Type	Release Other
Incident Status	Remediation Plan Received
Incident Well	[30-015-29582] NEFF 13 FEDERAL #011

Location of Release Source*Please answer all the questions in this group.*

Site Name	NEFF 13 FEDERAL #011
Date Release Discovered	09/15/2022
Surface Owner	Federal

Incident Details*Please answer all the questions in this group.*

Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release*Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.*

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Cause: Other Truck Other (Specify) Released: 25 BBL Recovered: 0 BBL Lost: 25 BBL.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Illegal dump, analysis of soil indicates 192 Mg/kg chlorides and 544 mg/kg TPH

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Energy, Minerals and Natural Resources
Oil Conservation Division
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QUESTIONS, Page 2

Action 404019

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 404019
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 11/17/2024
--	---

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Energy, Minerals and Natural Resources
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QUESTIONS, Page 3

Action 404019

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 404019
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	344
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	1110
GRO+DRO (EPA SW-846 Method 8015M)	1110
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	02/05/2024
On what date will (or did) the final sampling or liner inspection occur	10/17/2024
On what date will (or was) the remediation complete(d)	12/31/2024
What is the estimated surface area (in square feet) that will be reclaimed	864
What is the estimated volume (in cubic yards) that will be reclaimed	35
What is the estimated surface area (in square feet) that will be remediated	864
What is the estimated volume (in cubic yards) that will be remediated	35
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 404019

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 404019
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	R360 ARTESIA LLC LANDFARM [EEM0112340644]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Amy Barnhill Title: Waste & Water Specialist Email: ABarnhill@chevron.com Date: 11/17/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 404019

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 404019
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 404019

QUESTIONS (continued)

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 404019
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	391052
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/17/2024
What was the (estimated) number of samples that were to be gathered	20
What was the sampling surface area in square feet	10500

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	No
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Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 404019

CONDITIONS

Operator: CHEVRON U S A INC 6301 Deauville Blvd Midland, TX 79706	OGRID: 4323
	Action Number: 404019
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
crystal.walker	None	11/18/2024