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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	NVV2002439696
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: WPX Energy Permian, LLC.	OGRID: 246289
Contact Name: Jim Raley	Contact Telephone: 575-689-7597
Contact email: james.raley@wpxenergy.com	Incident # *(assigned by OCD)* NVV2002439696
Contact mailing address: 5315 Buena Vista Dr., Carlsbad, NM 88220	

Location of Release Source

Latitude 32.026123308 Longitude -103.8718851
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: ROSS DRAW UNIT #042	Site Type: Production Facility
Date Release Discovered: 1/6/2020	API# *(if applicable): 30-015-42945*

Unit Letter	Section	Township	Range	County
K	22	26S	30E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls)28	Volume Recovered (bbls)15
☒ Produced Water	Volume Released (bbls) 25	Volume Recovered (bbls) 15
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Failure of gauge on wellhead allowed for release of approx. 53 bbls of fluids both on and off location. Volume estimated by following formula.

$$bbl\ estimate = \frac{saturated\ soil\ volume\ (ft^3)}{4.21(\frac{ft^3}{bbl\ equivalent})} * estimated\ soil\ porosity(\%) + \text{recovered fluids (bbl)}$$

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NVV2002439696
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Estimated volume exceeded 25bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Phone call to Mike Bratcher on 1/6/2019 at 12:06 PM	

Initial Response

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

☒ The source of the release has been stopped.

☒ The impacted area has been secured to protect human health and the environment.

☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

☒ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Jim Raley Title: Environmental Specialist

Signature: _____ Date: 1/8/2019

email: james.raley@wpxenergy.com Telephone: 575-689-7597

OCD Only

Received by: _____ Date: _____

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NVV2002439696
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NVV2002439696
District RP	
Facility ID	
Application ID	

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

Printed Name: Jim Raley Title: Environmental Specialist

Signature: Jim Raley Date: 3/22/2021

email: james.raley@wpxenergy.com Telephone: 575-689-7597

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NVV2002439696
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☑ Description of remediation activities

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

Printed Name: Jim Raley Title: Environmental Specialist

Signature: Jim Raley Date: 3/22/2021

email: james.raley@wpxenergy.com Telephone: 575-689-7597

OCD Only

Received by: Chad Hensley Date: 04/13/2021

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

Closure Approved by: Chad Hensley Date: 04/13/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

WSP USA
3300 North "A" Street
Building 1, Unit 222
Midland, Texas 79705
432.704.5178

March 21, 2021

District II
New Mexico Oil Conservation Division
811 South First Street
Artesia, New Mexico 88210

RE: Closure Request Addendum
WPX Energy Permian, LLC
Ross Draw Unit #042
Incident Number NVV2002439696
Eddy County, New Mexico

To Whom it May Concern:

WSP USA Inc. (WSP), on behalf of WPX Energy Permian, LLC (WPX), is pleased to present the following addendum to the original Closure Request submitted on April 3, 2020. This Addendum provides an update to the horizontal delineation of the release extent as requested for the Ross Draw Unit #042 (Site) in Unit K, Section 22, Township 26 South, Range 30 East, in Eddy County, New Mexico (Figure 1). The New Mexico Oil Conservation Division (NMOCD) denied the original Closure Request based on concern that horizontal delineation of the release extent to background values or 600 milligrams per kilogram (mg/kg) had not been achieved on pad. Based on the additional delineation activities described below, WPX is requesting No Further Action (NFA) for Incident Number NVV2002439696.

REVISIONS

The revised report addresses the following updates:

- Approximately 388 cubic yards of impacted soil were removed from the Site and all subsequent final confirmation soil samples collected from the excavation are compliant with applicable Table 1 Closure Criteria. Additional soil samples were collected for horizontal delineation of chloride concentrations to the requested 600 mg/kg. The laboratory analytical results, soil sampling logs and locations for the boreholes are included in the report.

- Depth to water was initially determined to be greater than 100 feet below ground surface (bgs) based on a United States Geological Survey (USGS) water well. WPX installed a soil boring approximately 0.30 miles north of the Site which further supports the original depth to water assessment. A completed well boring log is included in the report.

- This Closure Request Addendum only includes field summaries relevant to fulfilling the condition issued by the NMOCD in the May 11, 2020 denial. All previous data can be referenced in the original report.

BACKGROUND

On January 6, 2020, a wellhead gauge failed, resulting in approximately 28 barrels (bbls) of crude oil and 25 bbls of produced water to be released to the well pad and migrate southwest toward a drainage feature in the adjacent pasture. Vacuum trucks were dispatched and recovered 15 bbls of crude oil and 15 bbls produced water from the impacted area. WPX reported the release to the NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141) and was subsequently assigned Incident Number NVV2002439696

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, *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). Results from the characterization desktop review are presented on the Form C-141, Site Assessment/Characterization Form. Potential site receptors are identified on Figure 1.

In the original report, WSP referenced available water well data and determined depth to groundwater to be greater than 100 feet bgs. Additional data from the recently drilled soil boring, MW-1, located approximately 0.30 miles north of the Site, further supports the original depth to water assessment. The soil boring was drilled on December 8, 2020 to approximately 105 feet bgs, where no water was encountered during the drilling process or after the 72-hour waiting period. The referenced boring log is included as Attachment 1. WPX confirmed the following NMOCD Table 1 closure criteria apply:

- Benzene: 10 mg/kg
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

DELINEATION AND SOIL SAMPLING ACTIVITIES

On January 29, 2021, WSP returned to the Site to conduct horizontal delineation activities and evaluation of the release extent. WSP utilized a hand auger to advance eight boreholes (BH01 through BH08) outside of the release extent. Two soil samples were collected from each

borehole, one at approximately 0.5-foot bgs and the other 1-foot bgs. Soil samples were field screened for volatile aromatic hydrocarbons using a photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. Field screening results and observations for the boreholes were recorded on a lithologic/soil sampling log and is presented in Attachment 2. The borehole locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are shown on Figure 2.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were shipped at or below 4 degrees Celsius (°C) under strict chain-of custody (COC) procedures to Eurofins Xenco Laboratories (Eurofins Xenco) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (USEPA) Method 8021B; TPH- GRO, TPH- DRO, and TPH-motor oil range organics (MRO) following USEPA Method 8015M/D; and chloride following USEPA Method 300.0.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for all the delineation soil samples confirm compliance with the requested 600 mg/kg chloride and defines the periphery of horizontal impact as originally presented. Laboratory analytical results from delineation soil sampling activities are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 3.

CLOSURE REQUEST

Following additional investigation activities, it appears WPX has addressed all concerns in the denial response from the NMOCD from the original Closure Request. With the advancement of delineation soil samples BH01 through BH08, which defines the periphery of the lateral release extent to the requested 600 mg/kg chloride, WPX respectfully requests NFA for Incident Number NVV2002439696.

If you have any questions or comments, please do not hesitate to contact Mr. Daniel R. Moir at (303) 887-2946.

Sincerely,

WSP USA Inc.

Fatima Smith
Assistant Consultant, Geologist

Daniel R. Moir, P.G.
Lead Consultant, Geologist

cc: Jim Raley, WPX
Bureau of Land Management

Attachments:

Figure 1	Site Location Map
Figure 2	Delineation Soil Sample Location Map
Table 1	Soil Analytical Results
Attachment 1	Referenced Well Record
Attachment 2	Lithologic/Sampling Log
Attachment 3	Laboratory Analytical Reports

FIGURES

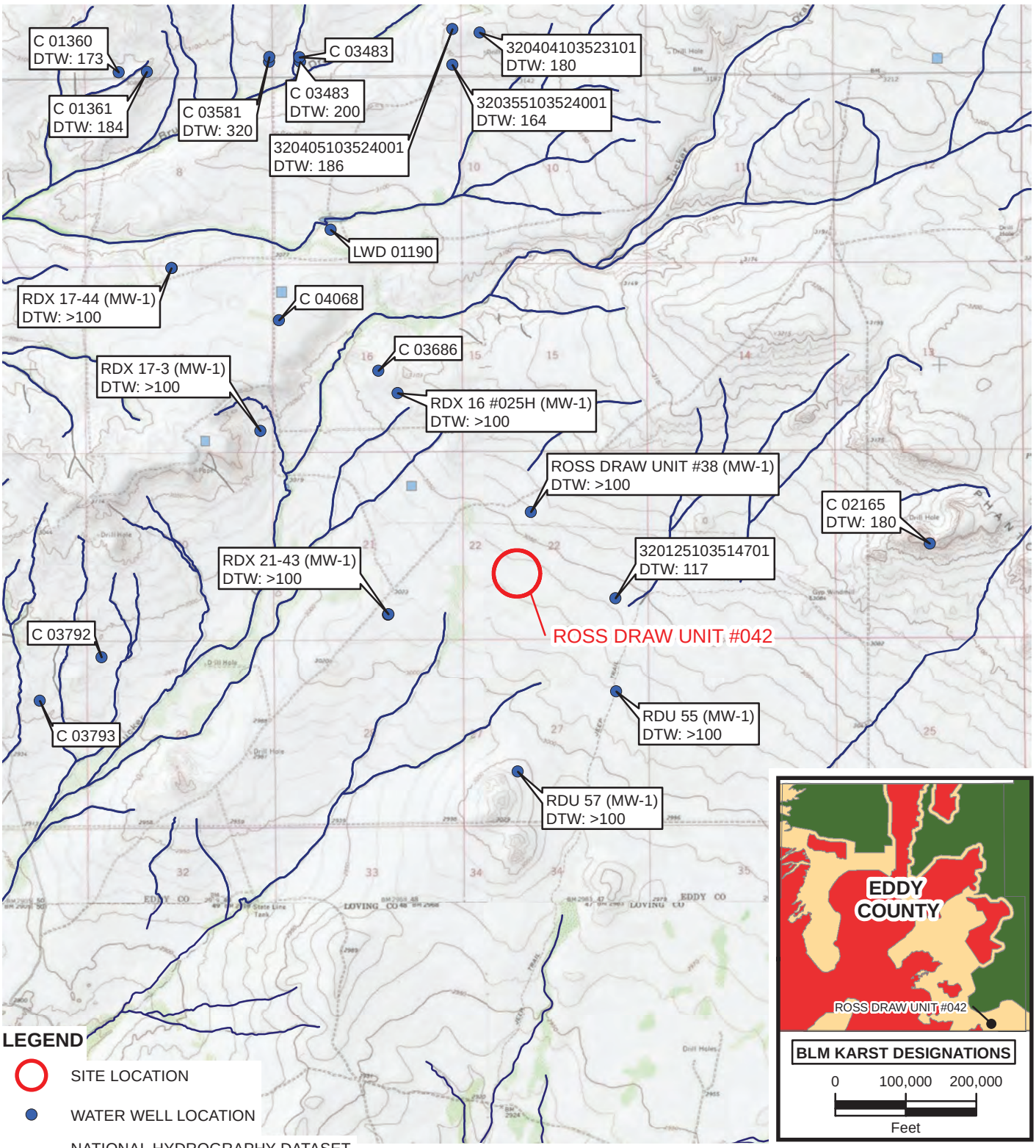

IMAGE COURTESY OF ESRI/USGS

NOTE: INCIDENT NUMBER: NVV2002439696
DTW: DEPTH TO WATER IN FEET
BLM: BUREAU OF LAND MANAGEMENT

FIGURE 1
SITE LOCATION MAP
ROSS DRAW UNIT #042
UNIT K SEC 22 T26S R30E
EDDY COUNTY, NEW MEXICO
WPX ENERGY PERMIAN, LLC.

P:\WPX\GIS\MXD\034821001_ROSS DRAW UNIT #042_NVV2002439696\034821001_FIG01_SL_RECEPTOR_2021.mxd

IMAGE COURTESY OF ESRI

LEGEND

- RELEASE LOCATION
- DELINEATION SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- EXCAVATION EXTENT
- RELEASE EXTENT

0 60 120

Feet

N

INCIDENT NUMBER: NVV2002439696

FIGURE 2
DELINEATION SOIL SAMPLE LOCATIONS
ROSS DRAW UNIT #042
UNIT K SEC 22 T26S R30E
EDDY COUNTY, NEW MEXICO
WPX ENERGY PERMIAN, LLC.

P:\WPX\GIS\MXD\034821001_ROSS DRAW UNIT #042_NVV2002439696\034821001_FIG02_DELINEATION_2021_V2.mxd

TABLES

TABLE 1

Soil Analytical Results
Ross Draw Unit #042
Incident Number NVV2002439696
Eddy County, New Mexico
WPX Energy Permian, LLC

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Samples										
BH01	01/29/2021	0.5	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	276
BH01	01/29/2021	1	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	161
BH02	01/29/2021	0.5	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	280
BH02	01/29/2021	1	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	387
BH03	01/29/2021	0.5	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	151
BH03	01/29/2021	1	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	416
BH04	01/29/2021	0.5	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	83.4
BH04	01/29/2021	1	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	79.0
BH05	01/29/2021	0.5	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	78.2
BH05	01/29/2021	1	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	72.2
BH06	01/29/2021	0.5	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	248
BH06	01/29/2021	1	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	127

TABLE 1

Soil Analytical Results
Ross Draw Unit #042
Incident Number NVV2002439696
Eddy County, New Mexico
WPX Energy Permian, LLC

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
BH07	01/29/2021	0.5	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	119
BH07	01/29/2021	1	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	15.0
BH08	01/29/2021	0.5	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	50.5
BH08	01/29/2021	1	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	18.2

Notes

ft - feet/foot
mg/kg - milligrams per kilograms
BTEX - benzene, toluene, ethylbenzene, and total xylenes
TPH - total petroleum hydrocarbons
DRO - diesel range organics
GRO - gasoline range organics
ORO - motor oil range organics
NMOCD - New Mexico Oil Conservation Division
NMAC - New Mexico Administrative Code
< - indicates result is less than the stated laboratory method practical quantitation limit
NE - Not Established
BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard
Greyed data represents samples that were excavated

ATTACHMENT 1: REFERENCED WELL RECORDS

HRL COMPLIANCE SOLUTIONS

BORING LOG/MONITORING WELL COMPLETION DIAGRAM

Boring/Well Number: MW-1			Location: Ross Draw Unit #38
Date: 12/8/2020			Client: WPX Energy
Drilling Method: Air Rotary	Sampling Method: None	Logged By: J. Linn, PG	Drilled By: Talon LPE
Gravel Pack Type: 10/20 Sand	Gravel Pack Depth Interval: 3 Bags	Seal Type: None / Seal Depth Interval: None	Latitude: 32.030300
Casing Type: PVC / Diameter: 2-inch / Depth Interval: 0-100 feet bgs		Boring Total Depth (ft. BGS): 105	Longitude: -103.871338
Screen Type: PVC / Slot: 0.010-inch / Diameter: 2-inch / Depth Interval: 100-105 ft		Well Total Depth (ft. BGS): 105	Depth to Water (ft. BTOC): > 105 / DTW Date: 12/16/2020

Depth Interval (ft)	Recovery (ft)	Plasticity	Moisture	Odor	Staining	PID (ppm)	USCS	Sample ID	Lithology/Remarks	Well Completion
0	NM	L	D	N	N	NM	SW	NS	Pale orange/pale pink to buff colored fine sand with minor medium and coarse sand	
5										
10										
15										
20	NM	L	D	N	N	NM	SP	NS	Pale orange/pale pink poorly graded fine sand	
25										
30										
35	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand	
40										
45										
50										
55										
60										
65										
70	NM	L	D	N	N	NM	SP	NS	Brick red brown poorly graded fine sand	
75										
80										
85										
90										
95										
100	NM	L	D	N	N	NM	SP	NS	Tan/pale brown/pale orange poorly graded fine sand - TD 105' BGS	

ATTACHMENT 2: LITHOLOGIC/SOIL SAMPLING LOG

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH01	Date: 01/29/2021
Site Name: Ross Draw Unit #042	
RP or Incident Number: NVV2002439696	
WSP Job Number: TE034821001	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: FS / Method: Hand Auger
Lat/Long: 32.02600, -103.87139 / Field Screening: Hach chloride strips, PID	Hole Diameter: 2 in / Total Depth: 1 ft bgs

Comments: All chloride field screenings include a 40% correction factor.
M - moist; D - dry; N - no; Y - yes; SAA - same as above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	CCHE	CALICHE, dry, off-white, poorly consolidated, no stain, no odor
D	436	0.0	N	BH01	0.5	0.5	SP	SAND, dry, brown-dark brown, poorly graded, fine-very fine grain, no stain, no odor
D	274	0.0	N	BH01	1	1		SAA

TD: 1 ft bgs

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220	BH or PH Name: BH02	Date: 01/29/2021
	Site Name: Ross Draw Unit #042	
	RP or Incident Number: NVV2002439696	
	WSP Job Number: TE034821001	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: FS	Method: Hand Auger
Lat/Long: 32.02600, -103.87139 Field Screening: Hach chloride strips, PID	Hole Diameter: 2 in	Total Depth: 1 ft bgs

Comments: All chloride field screenings include a 40% correction factor.
M - moist; D - dry; N - no; Y - yes; SAA - same as above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	CCHE	CALICHE, dry, off-white, poorly consolidated, no stain, no odor
D	436	0.1	N	BH02	0.5	0.5	SP	SAND, dry, brown-dark brown, poorly graded, fine-very fine grain, no stain, no odor
D	548	0.0	N	BH02	1	1		SAA

TD: 1 ft bgs

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220	BH or PH Name: BH03	Date: 01/29/2021
	Site Name: Ross Draw Unit #042	
	RP or Incident Number: NVV2002439696	
	WSP Job Number: TE034821001	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: FS	Method: Hand Auger
Lat/Long: 32.02600, -103.87139	Field Screening: Hach chloride strips, PID	Hole Diameter: 2 in	Total Depth: 1 ft bgs

Comments: All chloride field screenings include a 40% correction factor.
M - moist; D - dry; N - no; Y - yes; SAA - same as above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	CCHE	CALICHE, dry, off-white, poorly consolidated, no stain, no odor
D	179	0.0	N	BH03	0.5	0.5	SP	SAND, dry, brown-dark brown, poorly graded, fine-very fine grain, no stain, no odor
D	492	0.0	N	BH03	1	1		SAA

TD: 1 ft bgs

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH04	Date: 01/29/2021
Site Name: Ross Draw Unit #042	
RP or Incident Number: NVV2002439696	
WSP Job Number: TE034821001	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: FS / Method: Hand Auger
Lat/Long: 32.02600, -103.87139 / Field Screening: Hach chloride strips, PID	Hole Diameter: 2 in / Total Depth: 1 ft bgs

Comments: All chloride field screenings include a 40% correction factor.
M - moist; D - dry; N - no; Y - yes; SAA - same as above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	CCHE	CALICHE, dry, off-white, poorly consolidated, no stain, no odor
D	179	0.0	N	BH04	0.5	0.5	SP	SAND, dry, brown-dark brown, poorly graded, fine-very fine grain, trace caliche gravel, poorly consoildated, no stain, no odor
D	179	0.0	N	BH04	1	1		SAA

TD: 1 ft bgs

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH05	Date: 01/29/2021
Site Name: Ross Draw Unit #042	
RP or Incident Number: NVV2002439696	
WSP Job Number: TE034821001	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: FS / Method: Hand Auger
Lat/Long: 32.02600, -103.87139 / Field Screening: Hach chloride strips, PID	Hole Diameter: 2 in / Total Depth: 1 ft bgs

Comments: All chloride field screenings include a 40% correction factor.
M - moist; D - dry; N - no; Y - yes; SAA - same as above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	CCHE	CALICHE, dry, off-white, poorly consolidated, no stain, no odor
D	<179	0.0	N	BH05	0.5	0.5	SP	SAND, dry, brown-dark brown, poorly graded, fine-very fine grain, no stain, no odor
D	<179	0.0	N	BH05	1	1		SAA

TD: 1 ft bgs

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220	BH or PH Name: BH06	Date: 01/29/2021
	Site Name: Ross Draw Unit #042	
	RP or Incident Number: NVV2002439696	
	WSP Job Number: TE034821001	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: FS	Method: Hand Auger
Lat/Long: 32.02600, -103.87139 Field Screening: Hach chloride strips, PID	Hole Diameter: 2 in	Total Depth: 1 ft bgs

Comments: All chloride field screenings include a 40% correction factor.
M - moist; D - dry; N - no; Y - yes; SAA - same as above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	CCHE	CALICHE, dry, off-white, poorly consolidated, no stain, no odor
D	386	0.0	N	BH06	0.5	0.5	SP	SAND, dry, brown-dark brown, poorly graded, fine-very fine grain, no stain, no odor
D	179	0.0	N	BH06	1	1		SAA

TD: 1 ft bgs

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH07	Date: 01/29/2021
Site Name: Ross Draw Unit #042	
RP or Incident Number: NVV2002439696	
WSP Job Number: TE034821001	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: FS	Method: Hand Auger		
Lat/Long: 32.02600, -103.87139	Field Screening: Hach chloride strips, PID	Hole Diameter: 2 in	Total Depth: 1 ft bgs

Comments: All chloride field screenings include a 40% correction factor.
M - moist; D - dry; N - no; Y - yes; SAA - same as above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	CCHE	CALICHE, dry, off-white, poorly consolidated, no stain, no odor
D	212	0.0	N	BH07	0.5	0.5	SP	SAND, dry, brown-dark brown, poorly graded, fine-very fine grain, no stain, no odor
D	212	0.0	N	BH07	1	1		SAA

TD: 1 ft bgs

WSP USA

508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH08	Date: 01/29/2021
Site Name: Ross Draw Unit #042	
RP or Incident Number: NVV2002439696	
WSP Job Number: TE034821001	
Logged By: FS	Method: Hand Auger
Hole Diameter: 2 in	Total Depth: 1 ft bgs

LITHOLOGIC / SOIL SAMPLING LOG

Lat/Long: 32.02600, -103.87139

Field Screening:
Hach chloride strips, PID

Comments: All chloride field screenings include a 40% correction factor.
M - moist; D - dry; N - no; Y - yes; SAA - same as above

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0	CCHE	CALICHE, dry, off-white, poorly consolidated, no stain, no odor
D	408	0.0	N	BH08	0.5	0.5	SP	SAND, dry, brown-dark brown, poorly graded, fine-very fine grain, no stain, no odor
D	201	0.0	N	BH08	1	1		SAA

TD: 1 ft bgs

ATTACHMENT 3: LABORATORY ANALYTICAL RESULTS

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Certificate of Analysis Summary 686654

WSP USA, Dallas, TX

Project Name: RDU 42

Project Id: TE034821001
Contact: Joseph Hernandez
Project Location: Eddy County

Date Received in Lab: Fri 01.29.2021 16:46
Report Date: 02.08.2021 16:58
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686654-001		686654-002		686654-003		686654-004		686654-005		686654-006	
	Field Id:	BH01		BH01		BH02		BH02		BH03		BH03	
	Depth:	0.5- ft		1- ft		0.5- ft		1- ft		0.5- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.29.2021 09:33		01.29.2021 09:45		01.29.2021 09:57		01.29.2021 10:04		01.29.2021 10:13		01.29.2021 10:19	
BTEX by EPA 8021B	***Extracted:***	02.01.2021 15:32		02.01.2021 15:32		02.01.2021 15:32		02.01.2021 15:32		02.01.2021 15:32		02.01.2021 15:32	
	Analyzed:	02.02.2021 05:24		02.02.2021 05:46		02.02.2021 06:09		02.02.2021 06:31		02.02.2021 06:54		02.02.2021 07:17	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Toluene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Ethylbenzene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
m,p-Xylenes		<0.00398	0.00398	<0.00399	0.00399	<0.00397	0.00397	<0.00397	0.00397	<0.00403	0.00403	<0.00401	0.00401
o-Xylene		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Total Xylenes		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Total BTEX		<0.00199	0.00199	<0.00200	0.00200	<0.00198	0.00198	<0.00198	0.00198	<0.00202	0.00202	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.30.2021 17:00		01.30.2021 17:00		01.30.2021 17:00		01.30.2021 17:00		01.30.2021 17:00		01.30.2021 17:00	
	Analyzed:	02.01.2021 08:37		02.01.2021 08:42		02.01.2021 08:59		02.01.2021 09:05		02.01.2021 09:11		02.01.2021 09:17	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		276	49.5	161	50.4	280	49.5	387	50.3	151	49.5	416	99.0
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00	
	Analyzed:	02.04.2021 11:58		02.04.2021 13:02		02.04.2021 13:23		02.04.2021 13:44		02.04.2021 14:05		02.04.2021 14:26	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0
Total TPH		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 686654

WSP USA, Dallas, TX

Project Name: RDU 42

Project Id: TE034821001
Contact: Joseph Hernandez
Project Location: Eddy County

Date Received in Lab: Fri 01.29.2021 16:46
Report Date: 02.08.2021 16:58
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686654-007		686654-008		686654-009		686654-010		686654-011		686654-012	
	Field Id:	BH04		BH04		BH05		BH05		BH06		BH06	
	Depth:	0.5- ft		1- ft		0.5- ft		1- ft		0.5- ft		1- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.29.2021 10:43		01.29.2021 10:49		01.29.2021 11:04		01.29.2021 11:09		01.29.2021 11:30		01.29.2021 11:37	
BTEX by EPA 8021B	***Extracted:***	02.01.2021 15:32		02.01.2021 15:32		02.01.2021 15:32		02.01.2021 15:32		02.01.2021 15:32		02.01.2021 15:32	
	Analyzed:	02.02.2021 07:39		02.02.2021 08:59		02.02.2021 09:21		02.02.2021 09:44		02.02.2021 10:06		02.02.2021 16:06	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00402	0.00402	<0.00398	0.00398	<0.00399	0.00399	<0.00403	0.00403	<0.00401	0.00401	<0.00399	0.00399
o-Xylene		<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00201	0.00201	<0.00199	0.00199	<0.00200	0.00200	<0.00202	0.00202	<0.00200	0.00200	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.30.2021 17:00		01.30.2021 17:00		01.30.2021 17:00		01.30.2021 17:00		01.30.2021 17:00		01.30.2021 17:00	
	Analyzed:	02.01.2021 09:22		02.01.2021 09:28		02.01.2021 10:47		02.01.2021 10:52		02.01.2021 12:23		02.01.2021 12:29	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		83.4	49.9	79.0	10.0	78.2	50.3	72.2	9.94	248	50.5	127	9.90
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00	
	Analyzed:	02.04.2021 14:47		02.04.2021 15:09		02.04.2021 15:30		02.04.2021 15:51		02.04.2021 16:34		02.04.2021 16:55	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0
Total TPH		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 686654

WSP USA, Dallas, TX

Project Name: RDU 42

Project Id: TE034821001
Contact: Joseph Hernandez
Project Location: Eddy County

Date Received in Lab: Fri 01.29.2021 16:46
Report Date: 02.08.2021 16:58
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	686654-013		686654-014		686654-015		686654-016					
	Field Id:	BH07		BH07		BH08		BH08					
	Depth:	0.5- ft		1- ft		0.5- ft		1- ft					
	Matrix:	SOIL		SOIL		SOIL		SOIL					
	Sampled:	01.29.2021 13:36		01.29.2021 13:41		01.29.2021 14:16		01.29.2021 14:22					
BTEX by EPA 8021B	***Extracted:***	02.01.2021 15:32		02.01.2021 15:32		02.01.2021 15:32		02.01.2021 15:32					
	Analyzed:	02.02.2021 13:25		02.02.2021 13:47		02.02.2021 14:10		02.02.2021 15:43					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Benzene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
m,p-Xylenes		<0.00402	0.00402	<0.00401	0.00401	<0.00398	0.00398	<0.00399	0.00399				
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00199	0.00199	<0.00200	0.00200				
Inorganic Anions by EPA 300	***Extracted:***	01.30.2021 17:00		01.30.2021 17:00		01.30.2021 17:00		01.30.2021 17:00					
	Analyzed:	02.01.2021 12:35		02.01.2021 12:40		02.01.2021 12:46		02.01.2021 12:51					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Chloride		119	99.4	15.0	9.94	50.5	9.92	18.2	9.96				
TPH by SW8015 Mod SUB: T104704400-20-21	***Extracted:***	02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00		02.04.2021 10:00					
	Analyzed:	02.04.2021 17:16		02.04.2021 17:37		02.04.2021 17:59		02.04.2021 18:20					
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL				
Gasoline Range Hydrocarbons (GRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0				
Diesel Range Organics (DRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0				
Motor Oil Range Hydrocarbons (MRO)		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0				
Total TPH		<50.0	50.0	<50.0	50.0	<50.0	50.0	<50.0	50.0				

BRL - Below Reporting Limit

Jessica Kramer

eurofins | Environment Testing Xenco

Analytical Report 686654

for

WSP USA

Project Manager: Joseph Hernandez

RDU 42

TE034821001

02.08.2021

Collected By: Client

1089 N Canal Street
Carlsbad, NM 88220

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-38), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2020-014), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-26), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-18)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-24)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-20-21)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-8)
Xenco-Tampa: Florida (E87429), North Carolina (483)

eurofins | Environment Testing Xenco

02.08.2021

Project Manager: **Joseph Hernandez**
WSP USA
2777 N. Stemmons Freeway, Suite 1600
Dallas, TX 75207

Reference: Eurofins Xenco, LLC Report No(s): **686654**
RDU 42
Project Address: Eddy County

Joseph Hernandez:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 686654. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 686654 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Jessica Kramer
Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

eurofins | Environment Testing Xenco

Sample Cross Reference 686654

WSP USA, Dallas, TX

RDU 42

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
BH01	S	01.29.2021 09:33	0.5 ft	686654-001
BH01	S	01.29.2021 09:45	1 ft	686654-002
BH02	S	01.29.2021 09:57	0.5 ft	686654-003
BH02	S	01.29.2021 10:04	1 ft	686654-004
BH03	S	01.29.2021 10:13	0.5 ft	686654-005
BH03	S	01.29.2021 10:19	1 ft	686654-006
BH04	S	01.29.2021 10:43	0.5 ft	686654-007
BH04	S	01.29.2021 10:49	1 ft	686654-008
BH05	S	01.29.2021 11:04	0.5 ft	686654-009
BH05	S	01.29.2021 11:09	1 ft	686654-010
BH06	S	01.29.2021 11:30	0.5 ft	686654-011
BH06	S	01.29.2021 11:37	1 ft	686654-012
BH07	S	01.29.2021 13:36	0.5 ft	686654-013
BH07	S	01.29.2021 13:41	1 ft	686654-014
BH08	S	01.29.2021 14:16	0.5 ft	686654-015
BH08	S	01.29.2021 14:22	1 ft	686654-016

CASE NARRATIVE

eurofins | Environment Testing Xenco

Client Name: WSP USA

Project Name: RDU 42

Project ID: *TE034821001*
Work Order Number(s): *686654*

Report Date: *02.08.2021*
Date Received: *01.29.2021*

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

eurofins | Environment Testing Xenco

Certificate of Analytical Results 686654

WSP USA, Dallas, TX

RDU 42

Sample Id: **BH01** Matrix: Soil Date Received: 01.29.2021 16:46
Lab Sample Id: 686654-001 Date Collected: 01.29.2021 09:33 Sample Depth: 0.5 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**276**	49.5	mg/kg	02.01.2021 08:37		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 11:58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 11:58	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 11:58	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 11:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-130	02.04.2021 11:58	
o-Terphenyl	84-15-1	101	%	70-130	02.04.2021 11:58	

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WSP USA, Dallas, TX

RDU 42

Sample Id:	**BH01**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-001	Date Collected:	01.29.2021 09:33	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.02.2021 05:24	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.02.2021 05:24	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.02.2021 05:24	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.02.2021 05:24	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.02.2021 05:24	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.02.2021 05:24	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.02.2021 05:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.02.2021 05:24	
4-Bromofluorobenzene	460-00-4	108	%	70-130	02.02.2021 05:24	

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Certificate of Analytical Results 686654

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RDU 42

Sample Id: **BH01** Matrix: Soil Date Received:01.29.2021 16:46
Lab Sample Id: 686654-002 Date Collected: 01.29.2021 09:45 Sample Depth: 1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**161**	50.4	mg/kg	02.01.2021 08:42		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 13:02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 13:02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 13:02	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 13:02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	02.04.2021 13:02	
o-Terphenyl	84-15-1	104	%	70-130	02.04.2021 13:02	

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RDU 42

Sample Id:	**BH01**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-002	Date Collected:	01.29.2021 09:45	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 05:46	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 05:46	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 05:46	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.02.2021 05:46	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 05:46	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 05:46	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 05:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	109	%	70-130	02.02.2021 05:46	
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.02.2021 05:46	

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WSP USA, Dallas, TX

RDU 42

Sample Id: **BH02** Matrix: Soil Date Received:01.29.2021 16:46
Lab Sample Id: 686654-003 Date Collected: 01.29.2021 09:57 Sample Depth: 0.5 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**280**	49.5	mg/kg	02.01.2021 08:59		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 13:23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 13:23	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 13:23	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 13:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-130	02.04.2021 13:23	
o-Terphenyl	84-15-1	112	%	70-130	02.04.2021 13:23	

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RDU 42

Sample Id:	**BH02**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-003	Date Collected:	01.29.2021 09:57	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.02.2021 06:09	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.02.2021 06:09	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.02.2021 06:09	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.02.2021 06:09	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.02.2021 06:09	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.02.2021 06:09	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.02.2021 06:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	02.02.2021 06:09	
4-Bromofluorobenzene	460-00-4	108	%	70-130	02.02.2021 06:09	

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RDU 42

Sample Id: **BH02** Matrix: Soil Date Received:01.29.2021 16:46
Lab Sample Id: 686654-004 Date Collected: 01.29.2021 10:04 Sample Depth: 1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**387**	50.3	mg/kg	02.01.2021 09:05		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 13:44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 13:44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 13:44	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 13:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-130	02.04.2021 13:44	
o-Terphenyl	84-15-1	100	%	70-130	02.04.2021 13:44	

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RDU 42

Sample Id:	**BH02**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-004	Date Collected:	01.29.2021 10:04	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	02.02.2021 06:31	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	02.02.2021 06:31	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	02.02.2021 06:31	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	02.02.2021 06:31	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	02.02.2021 06:31	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	02.02.2021 06:31	U	1
Total BTEX		<0.00198	0.00198	mg/kg	02.02.2021 06:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.02.2021 06:31	
1,4-Difluorobenzene	540-36-3	100	%	70-130	02.02.2021 06:31	

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WSP USA, Dallas, TX

RDU 42

Sample Id: **BH03** Matrix: Soil Date Received:01.29.2021 16:46
Lab Sample Id: 686654-005 Date Collected: 01.29.2021 10:13 Sample Depth: 0.5 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**151**	49.5	mg/kg	02.01.2021 09:11		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 14:05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 14:05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 14:05	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 14:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	02.04.2021 14:05	
o-Terphenyl	84-15-1	111	%	70-130	02.04.2021 14:05	

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WSP USA, Dallas, TX

RDU 42

Sample Id:	**BH03**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-005	Date Collected:	01.29.2021 10:13	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.02.2021 06:54	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.02.2021 06:54	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.02.2021 06:54	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.02.2021 06:54	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.02.2021 06:54	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.02.2021 06:54	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.02.2021 06:54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	02.02.2021 06:54	
4-Bromofluorobenzene	460-00-4	103	%	70-130	02.02.2021 06:54	

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WSP USA, Dallas, TX

RDU 42

Sample Id: **BH03** Matrix: Soil Date Received:01.29.2021 16:46
Lab Sample Id: 686654-006 Date Collected: 01.29.2021 10:19 Sample Depth: 1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**416**	99.0	mg/kg	02.01.2021 09:17		10

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 14:26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 14:26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 14:26	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 14:26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-130	02.04.2021 14:26	
o-Terphenyl	84-15-1	108	%	70-130	02.04.2021 14:26	

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RDU 42

Sample Id:	**BH03**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-006	Date Collected:	01.29.2021 10:19	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 07:17	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 07:17	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 07:17	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.02.2021 07:17	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 07:17	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 07:17	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 07:17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.02.2021 07:17	
1,4-Difluorobenzene	540-36-3	106	%	70-130	02.02.2021 07:17	

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WSP USA, Dallas, TX

RDU 42

Sample Id: **BH04** Matrix: Soil Date Received:01.29.2021 16:46
Lab Sample Id: 686654-007 Date Collected: 01.29.2021 10:43 Sample Depth: 0.5 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**83.4**	49.9	mg/kg	02.01.2021 09:22		10

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 14:47	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 14:47	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 14:47	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 14:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.04.2021 14:47	
o-Terphenyl	84-15-1	113	%	70-130	02.04.2021 14:47	

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WSP USA, Dallas, TX

RDU 42

Sample Id:	**BH04**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-007	Date Collected:	01.29.2021 10:43	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.02.2021 07:39	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.02.2021 07:39	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.02.2021 07:39	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.02.2021 07:39	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.02.2021 07:39	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.02.2021 07:39	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.02.2021 07:39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	99	%	70-130	02.02.2021 07:39	
4-Bromofluorobenzene	460-00-4	108	%	70-130	02.02.2021 07:39	

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Certificate of Analytical Results 686654

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RDU 42

Sample Id: **BH04** Matrix: Soil Date Received:01.29.2021 16:46
Lab Sample Id: 686654-008 Date Collected: 01.29.2021 10:49 Sample Depth: 1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**79.0**	10.0	mg/kg	02.01.2021 09:28		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 15:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 15:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 15:09	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 15:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-130	02.04.2021 15:09	
o-Terphenyl	84-15-1	93	%	70-130	02.04.2021 15:09	

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WSP USA, Dallas, TX

RDU 42

Sample Id:	**BH04**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-008	Date Collected:	01.29.2021 10:49	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.02.2021 08:59	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.02.2021 08:59	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.02.2021 08:59	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.02.2021 08:59	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.02.2021 08:59	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.02.2021 08:59	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.02.2021 08:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	02.02.2021 08:59	
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.02.2021 08:59	

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RDU 42

Sample Id: **BH05** Matrix: Soil Date Received:01.29.2021 16:46
Lab Sample Id: 686654-009 Date Collected: 01.29.2021 11:04 Sample Depth: 0.5 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**78.2**	50.3	mg/kg	02.01.2021 10:47		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 15:30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 15:30	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 15:30	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 15:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	02.04.2021 15:30	
o-Terphenyl	84-15-1	112	%	70-130	02.04.2021 15:30	

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RDU 42

Sample Id:	**BH05**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-009	Date Collected:	01.29.2021 11:04	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 09:21	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 09:21	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 09:21	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.02.2021 09:21	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 09:21	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 09:21	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 09:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	02.02.2021 09:21	
1,4-Difluorobenzene	540-36-3	99	%	70-130	02.02.2021 09:21	

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RDU 42

Sample Id: **BH05** Matrix: Soil Date Received:01.29.2021 16:46
Lab Sample Id: 686654-010 Date Collected: 01.29.2021 11:09 Sample Depth: 1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**72.2**	9.94	mg/kg	02.01.2021 10:52		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 15:51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 15:51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 15:51	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 15:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	02.04.2021 15:51	
o-Terphenyl	84-15-1	113	%	70-130	02.04.2021 15:51	

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RDU 42

Sample Id:	**BH05**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-010	Date Collected:	01.29.2021 11:09	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.02.2021 09:44	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.02.2021 09:44	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.02.2021 09:44	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.02.2021 09:44	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.02.2021 09:44	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.02.2021 09:44	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.02.2021 09:44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.02.2021 09:44	
1,4-Difluorobenzene	540-36-3	99	%	70-130	02.02.2021 09:44	

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RDU 42

Sample Id: **BH06** Matrix: Soil Date Received:01.29.2021 16:46
Lab Sample Id: 686654-011 Date Collected: 01.29.2021 11:30 Sample Depth: 0.5 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**248**	50.5	mg/kg	02.01.2021 12:23		5

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 16:34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 16:34	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 16:34	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 16:34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-130	02.04.2021 16:34	
o-Terphenyl	84-15-1	110	%	70-130	02.04.2021 16:34	

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RDU 42

Sample Id:	**BH06**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-011	Date Collected:	01.29.2021 11:30	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 10:06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 10:06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 10:06	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.02.2021 10:06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 10:06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 10:06	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 10:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.02.2021 10:06	
1,4-Difluorobenzene	540-36-3	99	%	70-130	02.02.2021 10:06	

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RDU 42

Sample Id:	**BH06**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-012	Date Collected:	01.29.2021 11:37	Sample Depth:	1 ft

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P

Tech: MAB

Analyst: MAB — Date Prep: 01.30.2021 17:00 — % Moisture:

Seq Number: 3149574 — Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**127**	9.90	mg/kg	02.01.2021 12:29		1

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P

Tech: DVM

Analyst: ARM — Date Prep: 02.04.2021 10:00 — % Moisture:

Seq Number: 3150187 — Basis: Wet Weight

SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 16:55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 16:55	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 16:55	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 16:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	02.04.2021 16:55	
o-Terphenyl	84-15-1	117	%	70-130	02.04.2021 16:55	

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Certificate of Analytical Results 686654

WSP USA, Dallas, TX

RDU 42

Sample Id:	**BH06**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-012	Date Collected:	01.29.2021 11:37	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 16:06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 16:06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 16:06	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.02.2021 16:06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 16:06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 16:06	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 16:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101	%	70-130	02.02.2021 16:06	
4-Bromofluorobenzene	460-00-4	105	%	70-130	02.02.2021 16:06	

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WSP USA, Dallas, TX

RDU 42

Sample Id: **BH07** Matrix: Soil Date Received:01.29.2021 16:46
Lab Sample Id: 686654-013 Date Collected: 01.29.2021 13:36 Sample Depth: 0.5 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**119**	99.4	mg/kg	02.01.2021 12:35		10

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 17:16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 17:16	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 17:16	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 17:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-130	02.04.2021 17:16	
o-Terphenyl	84-15-1	114	%	70-130	02.04.2021 17:16	

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RDU 42

Sample Id:	**BH07**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-013	Date Collected:	01.29.2021 13:36	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.02.2021 13:25	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.02.2021 13:25	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.02.2021 13:25	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.02.2021 13:25	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.02.2021 13:25	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.02.2021 13:25	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.02.2021 13:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	89	%	70-130	02.02.2021 13:25	
4-Bromofluorobenzene	460-00-4	106	%	70-130	02.02.2021 13:25	

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Certificate of Analytical Results 686654

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RDU 42

Sample Id: **BH07** Matrix: Soil Date Received:01.29.2021 16:46
Lab Sample Id: 686654-014 Date Collected: 01.29.2021 13:41 Sample Depth: 1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**15.0**	9.94	mg/kg	02.01.2021 12:40		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 17:37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 17:37	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 17:37	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 17:37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-130	02.04.2021 17:37	
o-Terphenyl	84-15-1	107	%	70-130	02.04.2021 17:37	

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WSP USA, Dallas, TX

RDU 42

Sample Id:	**BH07**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-014	Date Collected:	01.29.2021 13:41	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 13:47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 13:47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 13:47	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.02.2021 13:47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 13:47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 13:47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 13:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	02.02.2021 13:47	
4-Bromofluorobenzene	460-00-4	102	%	70-130	02.02.2021 13:47	

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Certificate of Analytical Results 686654

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RDU 42

Sample Id: **BH08** Matrix: Soil Date Received: 01.29.2021 16:46
Lab Sample Id: 686654-015 Date Collected: 01.29.2021 14:16 Sample Depth: 0.5 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**50.5**	9.92	mg/kg	02.01.2021 12:46		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 17:59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 17:59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 17:59	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 17:59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.04.2021 17:59	
o-Terphenyl	84-15-1	108	%	70-130	02.04.2021 17:59	

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Certificate of Analytical Results 686654

WSP USA, Dallas, TX

RDU 42

Sample Id:	**BH08**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-015	Date Collected:	01.29.2021 14:16	Sample Depth:	0.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.02.2021 14:10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.02.2021 14:10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.02.2021 14:10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.02.2021 14:10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.02.2021 14:10	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.02.2021 14:10	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.02.2021 14:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100	%	70-130	02.02.2021 14:10	
1,4-Difluorobenzene	540-36-3	100	%	70-130	02.02.2021 14:10	

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Certificate of Analytical Results 686654

WSP USA, Dallas, TX

RDU 42

Sample Id: **BH08** Matrix: Soil Date Received:01.29.2021 16:46
Lab Sample Id: 686654-016 Date Collected: 01.29.2021 14:22 Sample Depth: 1 ft

Analytical Method: Inorganic Anions by EPA 300 Prep Method: E300P
Tech: MAB
Analyst: MAB Date Prep: 01.30.2021 17:00 % Moisture:
Seq Number: 3149574 Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**18.2**	9.96	mg/kg	02.01.2021 12:51		1

Analytical Method: TPH by SW8015 Mod Prep Method: SW8015P
Tech: DVM
Analyst: ARM Date Prep: 02.04.2021 10:00 % Moisture:
Seq Number: 3150187 Basis: Wet Weight
SUB: T104704400-20-21

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	02.04.2021 18:20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	02.04.2021 18:20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	02.04.2021 18:20	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	02.04.2021 18:20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	98	%	70-130	02.04.2021 18:20	
o-Terphenyl	84-15-1	112	%	70-130	02.04.2021 18:20	

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Certificate of Analytical Results 686654

WSP USA, Dallas, TX

RDU 42

Sample Id:	**BH08**	Matrix:	Soil	Date Received:	01.29.2021 16:46
Lab Sample Id:	686654-016	Date Collected:	01.29.2021 14:22	Sample Depth:	1 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	02.01.2021 15:32	% Moisture:	
Seq Number:	3149922			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.02.2021 15:43	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.02.2021 15:43	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.02.2021 15:43	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.02.2021 15:43	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.02.2021 15:43	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.02.2021 15:43	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.02.2021 15:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	02.02.2021 15:43	
1,4-Difluorobenzene	540-36-3	104	%	70-130	02.02.2021 15:43	

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Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantitation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit. **ND** Not Detected.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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QC Summary 686654

WSP USA

RDU 42

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149574 — Matrix: Solid — Date Prep: 01.30.2021
MB Sample Id: 7720400-1-BLK — LCS Sample Id: 7720400-1-BKS — LCSD Sample Id: 7720400-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	200	196	98	195	98	90-110	1	20	mg/kg	02.01.2021 07:57	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149574 — Matrix: Soil — Date Prep: 01.30.2021
Parent Sample Id: 686653-021 — MS Sample Id: 686653-021 S — MSD Sample Id: 686653-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	48200	200	48400	100	48400	100	90-110	0	20	mg/kg	02.01.2021 08:14	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3149574 — Matrix: Soil — Date Prep: 01.30.2021
Parent Sample Id: 686654-008 — MS Sample Id: 686654-008 S — MSD Sample Id: 686654-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	79.0	200	279	100	279	101	90-110	0	20	mg/kg	02.01.2021 09:34	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150187 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720904-1-BLK — LCS Sample Id: 7720904-1-BKS — LCSD Sample Id: 7720904-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	906	91	943	94	70-130	4	20	mg/kg	02.04.2021 11:16	
Diesel Range Organics (DRO)	<50.0	1000	991	99	1040	104	70-130	5	20	mg/kg	02.04.2021 11:16	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	91		101		106		70-130	%	02.04.2021 11:16
o-Terphenyl	107		108		112		70-130	%	02.04.2021 11:16

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3150187 — Matrix: Solid — Date Prep: 02.04.2021
MB Sample Id: 7720904-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	02.04.2021 10:55	

MS/MSD Percent Recovery — [D] = 100*(C-A) / B — LCS = Laboratory Control Sample — MS = Matrix Spike
Relative Percent Difference — RPD = 200* | (C-E) / (C+E) | — A = Parent Result — B = Spike Added
LCS/LCSD Recovery — [D] = 100 * (C) / [B] — C = MS/LCS Result — D = MSD/LCSD % Rec
Log Difference — Log Diff. = Log(Sample Duplicate) - Log(Original Sample) — E = MSD/LCSD Result

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QC Summary 686654

WSP USA

RDU 42

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3150187 Matrix: Soil Date Prep: 02.04.2021
Parent Sample Id: 686654-001 MS Sample Id: 686654-001 S MSD Sample Id: 686654-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	840	84	959	96	70-130	13	20	mg/kg	02.04.2021 12:19	
Diesel Range Organics (DRO)	<50.0	1000	914	91	1020	102	70-130	11	20	mg/kg	02.04.2021 12:19	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	84		95		70-130	%	02.04.2021 12:19
o-Terphenyl	86		96		70-130	%	02.04.2021 12:19

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149922 Matrix: Solid Date Prep: 02.01.2021
MB Sample Id: 7720508-1-BLK LCS Sample Id: 7720508-1-BKS LCSD Sample Id: 7720508-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0954	95	0.0890	89	70-130	7	35	mg/kg	02.02.2021 02:12	
Toluene	<0.00200	0.100	0.0961	96	0.0879	88	70-130	9	35	mg/kg	02.02.2021 02:12	
Ethylbenzene	<0.00200	0.100	0.0971	97	0.0861	86	71-129	12	35	mg/kg	02.02.2021 02:12	
m,p-Xylenes	<0.00400	0.200	0.196	98	0.170	85	70-135	14	35	mg/kg	02.02.2021 02:12	
o-Xylene	<0.00200	0.100	0.0963	96	0.0879	88	71-133	9	35	mg/kg	02.02.2021 02:12	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		94		96		70-130	%	02.02.2021 02:12
4-Bromofluorobenzene	96		97		93		70-130	%	02.02.2021 02:12

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3149922 Matrix: Soil Date Prep: 02.01.2021
Parent Sample Id: 686653-021 MS Sample Id: 686653-021 S MSD Sample Id: 686653-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0949	95	0.0981	98	70-130	3	35	mg/kg	02.02.2021 16:28	
Toluene	<0.00200	0.0998	0.0899	90	0.0966	97	70-130	7	35	mg/kg	02.02.2021 16:28	
Ethylbenzene	<0.00200	0.0998	0.0928	93	0.0992	99	71-129	7	35	mg/kg	02.02.2021 16:28	
m,p-Xylenes	<0.00399	0.200	0.183	92	0.201	101	70-135	9	35	mg/kg	02.02.2021 16:28	
o-Xylene	<0.00200	0.0998	0.0935	94	0.0982	98	71-133	5	35	mg/kg	02.02.2021 16:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		96		70-130	%	02.02.2021 16:28
4-Bromofluorobenzene	94		98		70-130	%	02.02.2021 16:28

MS/MSD Percent Recovery [D] = 100*(C-A) / B
Relative Percent Difference RPD = 200* | (C-E) / (C+E) |
LCS/LCSD Recovery [D] = 100 * (C) / [B]
Log Difference Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

XENCO LABORATORIES

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) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701

Work Order No: 6816le54

www.xenco.com Page 1 of 2

Project Manager:	Joseph Hernandez	Bill to: (If different)	Jim Raley
Company Name:	WSP, Permian Office	Company Name:	WPX Energy
Address:	3300 North A Street	Address:	5315 Buena Vista Dr
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(281) 702-2329	Email:	

Work Order Comments

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

Project Name:	BDU 42	Turn Around	
Project Number:	TE034821001	Routine	☒
Project Location	Eddy county	Rush:	
Sampler's Name:	Fatima Smith	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):	0.6/5.4	Thermometer ID	IR-NM-307
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Total Containers:	16

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA O=8021)	Chloride (EPA 300.0)
	BH01	S	1/24/21	0933	0.5'	1	X	X	X
	BH01			0945	1'				
	BH02			0957	0.5'				
	BH02			1004	1'				
	BH03			1013	0.5'				
	BH03			1019	1'				
	BH04			1043	0.5'				
	BH04			1049	1'				
	BH05			1104	0.5'				
	BH05	↓	↓	1109	1'	↓			

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U 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	Fatima		1-29-21 1648	2		
3				4		
5				6		

Revised Date 022619 Rev. 2019.1

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) 794-1296 Crasbad, NM (432) 704-5440
Phoenix,AZ (480) 355-0900 Atlanta,GA (770) 449-8800 Tampa,FL (813) 620-2000 West Palm Beach, FL (561) 689-6701 www.xenco.com

Work Order No: 6866454

Page 2 of 2

Project Manager:	Joseph Hernandez	Bill to: (if different)	Jim Raley
Company Name:	WSP, Permian Office	Company Name:	WPX Energy
Address:	3300 North A Street	Address:	5315 Buena Vista Dr
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(281) 702-2329	Email:	

Work Order Comments

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

Project Name:	RDU 42	Turn Around	
Project Number:	TE034902100I	Routine	☒
Project Location	Eddy county	Rush:	
Sampler's Name:	Fatima Smith	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID	Sal Rojo
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

ANALYSIS REQUEST

Preservative Codes

MeOH: Me
None: NO
HNO3: HN
H2S04: H2
HCL: HL
NaOH: Na
Zn Acetate+ NaOH: Zn

TAT starts the day recevied by the lab, if received by 4:00pm

Lab ID	Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA O=8021)	Chloride (EPA 300.0)	Sample Comments
	BH06	S	1/29/21	1130	0.6'	1	X	X	X	
	BH06			1137	1'	1				
	BH07			1336	0.5'	1				
	BH07			1341	1'	1				
	BH08			1416	0.5'	1				
	BH08			1422	1'	1				

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed

TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U

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	Cruz Cuffs	1-29-21 1646	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Inter-Office Shipment

IOS Number : 77440

Date/Time: 02.01.2021
Lab# From: **Carlsbad**
Lab# To: **Midland**

Created by: Cloe Clifton
Delivery Priority:
Air Bill No.:

Please send report to: Jessica Kramer
Address: 1089 N Canal Street
E-Mail: jessica.kramer@eurofinset.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
686654-001	S	BH01	01.29.2021 09:33	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-002	S	BH01	01.29.2021 09:45	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-003	S	BH02	01.29.2021 09:57	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-004	S	BH02	01.29.2021 10:04	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-005	S	BH03	01.29.2021 10:13	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-006	S	BH03	01.29.2021 10:19	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-007	S	BH04	01.29.2021 10:43	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-008	S	BH04	01.29.2021 10:49	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-009	S	BH05	01.29.2021 11:04	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-010	S	BH05	01.29.2021 11:09	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-011	S	BH06	01.29.2021 11:30	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-012	S	BH06	01.29.2021 11:37	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-013	S	BH07	01.29.2021 13:36	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-014	S	BH07	01.29.2021 13:41	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-015	S	BH08	01.29.2021 14:16	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	
686654-016	S	BH08	01.29.2021 14:22	SW8015MOD_NM	TPH by SW8015 Mod	02.04.2021	02.12.2021	JKR	PHCC10C28 PHCC28C3	

Inter Office Shipment or Sample Comments:

Relinquished By: Cloe Clifton
Cloe Clifton

Date Relinquished: 02.01.2021

Received By: Jessica Kramer
Jessica Kramer

Date Received: 02.02.2021

Cooler Temperature: 3.0

Environment Testing Xenco

Eurofins Xenco, LLC

Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 77440

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used :

Sent By: Cloe Clifton **Date Sent:** 02.01.2021 03.48 PM

Received By: Jessica Kramer **Date Received:** 02.02.2021 12.09 PM

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	3	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received with appropriate temperature?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 *Custody Seals Signed and dated for Containers/coolers	**Yes**	
#6 *IOS present?	**Yes**	
#7 Any missing/extra samples?	**No**	
#8 IOS agrees with sample label(s)/matrix?	**Yes**	
#9 Sample matrix/ properties agree with IOS?	**Yes**	
#10 Samples in proper container/ bottle?	**Yes**	
#11 Samples properly preserved?	**Yes**	
#12 Sample container(s) intact?	**Yes**	
#13 Sufficient sample amount for indicated test(s)?	**Yes**	
#14 All samples received within hold time?	**Yes**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ **Contacted by :** _____ **Date:** _____

Checklist reviewed by: Jessica Kramer
Jessica Kramer

Date: 02.02.2021

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 21548

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
WPX ENERGY PERMIAN, LLC 3500 One Williams Center Tulsa, OK74172	246289	21548	C-141

OCD Reviewer	Condition
chensley	None