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	NAB1927160599
District RP	2RP-5630
Facility ID	
Application ID	pAB1927160210

Release Notification WLPCF-190904-C-1410

Responsible Party

Responsible Party: WPX Energy Permian, LLC.	OGRID: 246289
Contact Name: Bob Raup	Contact Telephone: 539-573-7314
Contact email: Bob.Raup@wpxenergy.com	Incident # *(assigned by OCD)* NAB1927160599
Contact mailing address: 5315 Buena Vista Dr., Carlsbad, NM 88220	

Location of Release Source

Latitude 32.324960 Longitude -104.042504
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Longview Federal 12-15H	Site Type: Production Facility
Date Release Discovered: 9/4/2019	API# *(if applicable)*: 30-015-41092

Unit Letter	Section	Township	Range	County
C	12	23S	28E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name: Bureau of Land Management*)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 10	Volume Recovered (bbls) 8
	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: Approximately 10 BBL's of produced water was released to lined secondary containment, the surface of the well pad, and off site after a connection failure along the water transfer line developed.

Form C-141 State of New Mexico
Page 2 Oil Conservation Division

Incident ID	NAB1927160599
District RP	2RP-5630
Facility ID	
Application ID	pAB1927160210

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

Initial Response

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

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

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

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

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

Printed Name: Robert W. Raup II Title: HSE Supervisor

Signature: Robert W. Raup II Date: 9/4/2019

email: Bob.Raup@wpxenergy.com Telephone: 539-573-7314

OCD Only

Received by: Amalia Bustamante Date: 9/28/2019

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NAB1927160599
District RP	2RP-5630
Facility ID	
Application ID	pAB1927160210

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?	51-100 (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	NAB1927160599
District RP	2RP-5630
Facility ID	
Application ID	pAB1927160210

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: _____

Incident ID	NAB1927160599
District RP	2RP-5630
Facility ID	
Application ID	pAB1927160210

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

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	NAB1927729096
District RP	2RP-5647
Facility ID	
Application ID	pAB1927728683

Release Notification JU4VI-190916-C-1410

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)* NAB1927729096
Contact mailing address: 5315 Buena Vista Dr., Carlsbad, NM 88220	

Location of Release Source

Latitude 32.324960 Longitude -104.042504
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Longview Federal 12-15H	Site Type: Production Facility
Date Release Discovered: 9/9/2019	API# *(if applicable):* 30-015-41092

Unit Letter	Section	Township	Range	County
C	12	23S	28E	Eddy

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (*Name: Bureau of Land Management*_____)

Nature and Volume of Release

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

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 60	Volume Recovered (bbls) 50
	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: A total of 60 bbls of produced water was released when a connection failed on a produced water transfer line. 50 bbls was contained in lined secondary containment and all 50bbls was recovered. 10bbls impacted soils outside of containment, no waterway was threatened nor public health endangered.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAB1927729096
District RP	2RP-5647
Facility ID	
Application ID	pAB1927728683

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? Release volume exceeded 25 bbls.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Phone call to District 2 office on 9/16/2019 at 10:40 A.M. Spoke to Mike Bratcher NMOCD directly, to ensure verbal contact had been made. Jim Amos (BLM) contacted immediately regarding permission to begin remediation activities on soils impacted.

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: Jim Raley
Date: 9/16/2019

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

OCD Only

Received by: Amalia Bustamante
Date: 10/4/2019

Form C-141
Page 3

State of New Mexico
Oil Conservation Division

Incident ID	NAB1927729096
District RP	2RP-5647
Facility ID	
Application ID	pAB1927728683

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?	51-100 (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	NAB1927729096
District RP	2RP-5647
Facility ID	
Application ID	pAB1927728683

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	NAB1927729096
District RP	2RP-5647
Facility ID	
Application ID	pAB1927728683

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
Longview Federal 12-15H
Incident Numbers NAB1927160599 and NAB1927729096
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 Closure Request detailing site assessment, soil sampling, and excavation activities at the Longview Federal 12-15H (Site) located in Unit C, Section 12, Township 23 South, Range 28 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, soil sampling, and excavation activities was to address impacts to soil following two releases of produced water at the Site. Based on the excavation activities and results of the soil sampling events, WPX is submitting this Closure Request, describing remediation that has occurred and requesting No Further Action (NFA) for Incident Numbers NAB1927160599 and NAB1927729096.

On July 21, 2020, WPX was notified of the Remediation Work Plan (Work Plan) approval associated with Incident Numbers NAB1927160599 and NAB1927729096. The Work Plan was received by the New Mexico Oil Conservation Division (NMOCD) on July 21, 2020. This Closure Request only includes field summaries relevant to fulfilling the conditions of approval issued by NMOCD. All previous data and summaries can be referenced in the original Work Plan.

RELEASE BACKGROUND

Incident Number NAB1927160599

On September 4, 2019, a connection failure along a water transfer line developed and caused the release of approximately 10 barrels (bbls) of produced water into a secondary lined containment, surface of the well pad, and the adjacent pasture. A vacuum truck was dispatched to the Site and recovered approximately 8 bbls of produced water. WPX reported the release to NMOCD on a Release Notification and Corrective Action Form C-141 (Form C-141) on September 4, 2019 that was subsequently assigned Incident Number NAB1927160599.

Incident Number NAB1927729096

On September 9, 2019, a connection failure on a produced water transfer line caused the release of approximately 60 bbls of produced water into a lined secondary containment, surface of the pad, and into the adjacent pasture. A vacuum truck was immediately dispatched to the Site and recovered approximately 50 bbls of produced water. WPX reported the release to NMOCD on a Form C-141 on September 16, 2019 that was subsequently assigned Incident Number NAB1927729096.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, from 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 page 3 of the Form C-141, *Site Assessment/Characterization*. Potential site receptors are identified on Figure 1.

Depth to groundwater at the Site is estimated to be greater than 55 feet below ground surface (bgs) based on information obtained from a nearby soil boring. The nearest permitted water well with depth to water data is New Mexico Office of the State Engineer (NMOSE) well C 04418, located approximately 271 feet southeast of the Site. NMOSE well C 04418 is a borehole advanced by WPX on March 31, 2020 during a depth to water study of the area. Using a truck mounted drill rig equipped with hollow stem auger, the soil boring was advanced to a total depth of 55 feet bgs. Water was not observed within the soil boring after 48 hours and the boring was plugged and abandoned. A Plugging Record of the soil boring is included as Attachment 1.

CLOSURE CRITERIA

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (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: 10,000 mg/kg

A reclamation closure criteria of 600 mg/kg chloride was applied to the top 4 feet the pasture area that was impacted by the release, per NMAC 19.15.29.13.D (1) for the top 4 feet of areas that will be reclaimed immediately following remediation.

EXCAVATION AND SOIL SAMPLING ACTIVITIES

Between January 11 and January 12, 2020, WSP personnel oversaw excavation activities associated with the subject releases. Excavation activities were driven by field screening results of volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Utilizing heavy equipment, approximately 1,001 cubic yards of impacted soil were excavated from the subject release areas. The excavation areas totaled approximately 6,676 square feet cumulatively and ranged from approximately 0.7 feet to 6.5 feet bgs. The impacted soil was transported and properly disposed of at a R360 Facility under WPX approved manifests.

WSP collected 5-point composite soil samples at least every 500 square feet from the sidewalls and floor of the excavations, as described in the NMOCD-approved Work Plan. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the soil samples by thoroughly mixing. The soil samples were shipped at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Composite sidewall soil samples (SW01 through SW05) were collected from the sidewalls of the excavation from depths ranging from the ground surface to approximately 4 feet bgs. Composite floor soil samples (FS01 through FS13) were collected from the floor of the excavation from depths ranging from approximately 4 feet to 6.5 feet bgs. Composite floor soil sample FS14 was collected at approximately 0.7 feet bgs and included soil from the sidewalls within the 500 square foot area. The excavation extent and excavation confirmation soil sample locations are presented on Figure 4. Photographic documentation from excavation activities is provided as Attachment 2.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for excavation confirmation soil samples indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria and/or compliant with the reclamation criteria in soil samples collected within the pasture from the top 4 feet of the subsurface. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Attachment 3.

CLOSURE REQUEST

Impacted soil associated with subject releases was excavated based on field screening results and laboratory analytical results from preliminary and delineation soil samples. Laboratory analytical results for the final excavation soil samples indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH and chloride concentrations were compliant with the Closure Criteria. Additionally, soil samples collected in the pasture from the top 4 feet of the subsurface were compliant with the

reclamation criteria. Based on the confirmation excavation soil sample analytical results, no further remediation was required. The pasture excavation will be reseeded with an approved Bureau of Land Management (BLM) seed mixture following backfilling activities.

Initial response efforts, which included removal of free-standing fluids via hydrovac and follow-up excavation of residual impacted soil has mitigated impacts at this Site. Depth to groundwater has been determined to be greater than 55 feet bgs and no other sensitive receptors were identified near the release extent. WSP and WPX believe these remedial actions are protective of human health, the environment, and groundwater. As such, WPX requests NFA for Incident Numbers NAB1927160599 and NAB1927729096.

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	Preliminary Soil Sample Locations
Figure 3	Delineation Soil Sample Locations
Figure 4	Excavation Soil Sample Locations
Table 1	Soil Analytical Results
Attachment 1	Referenced Well Record
Attachment 2	Photographic Log
Attachment 3	Laboratory Analytical Reports

FIGURES

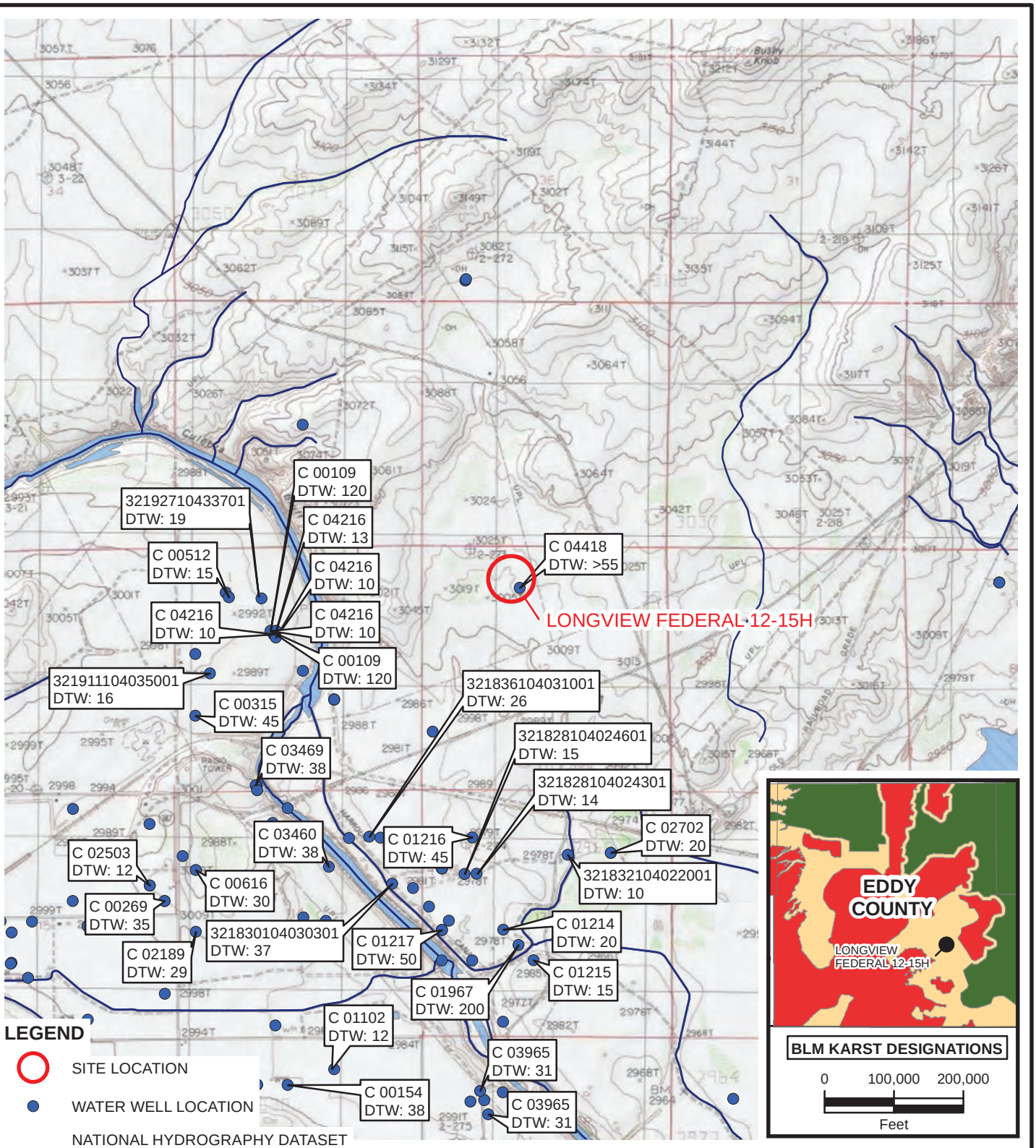
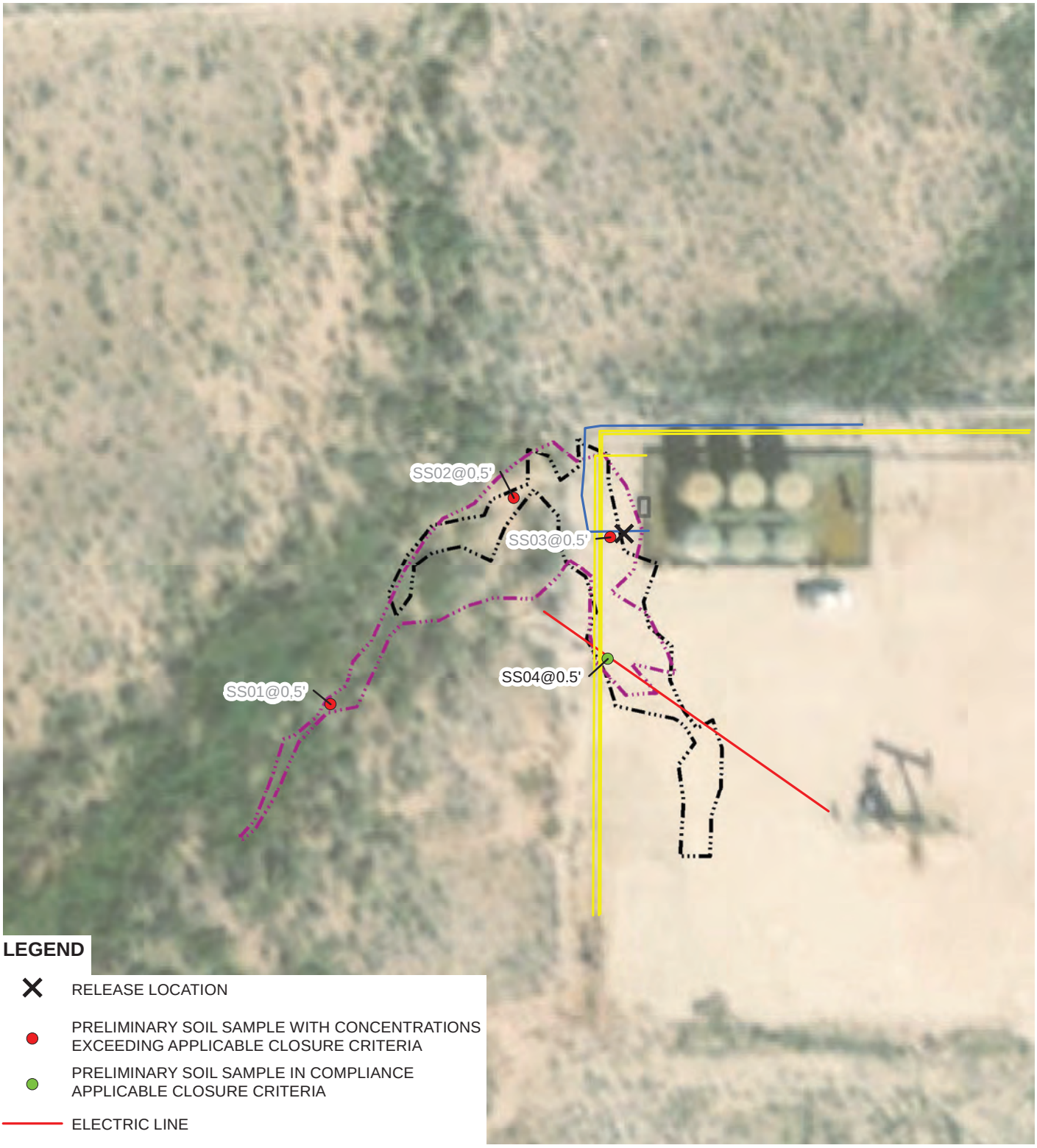


IMAGE COURTESY OF ESRI/USGS

NOTE: INCIDENT NUMBERS NAB1927160599 & NAB1927729096
DTW: DEPTH TO WATER IN FEET
BLM: BUREAU OF LAND MANAGEMENT

FIGURE 1
SITE LOCATION MAP
LONGVIEW FEDERAL 12-15H
UNIT C SEC 12 T23S R28E
EDDY COUNTY, NEW MEXICO
WPX ENERGY PERMIAN, LLC.

P:\WPX\GIS\MXD\034819045_LONGVIEW FEDERAL 12-5H\034819045_FIG01_SL_RECEPTOR_2021.mxd



LEGEND

- RELEASE LOCATION
- PRELIMINARY SOIL SAMPLE WITH CONCENTRATIONS EXCEEDING APPLICABLE CLOSURE CRITERIA
- PRELIMINARY SOIL SAMPLE IN COMPLIANCE APPLICABLE CLOSURE CRITERIA
- ELECTRIC LINE
- GAS/PIPELINE
- WATER LINE
- RELEASE EXTENT (NAB1927160599)
- RELEASE EXTENT (NAB1927729096)
- INFRASTRUCTURE

TEXT: INDICATES SOIL REPRESENTED BY SAMPLE THAT WAS REMOVED

SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

IMAGE COURTESY OF ESRI

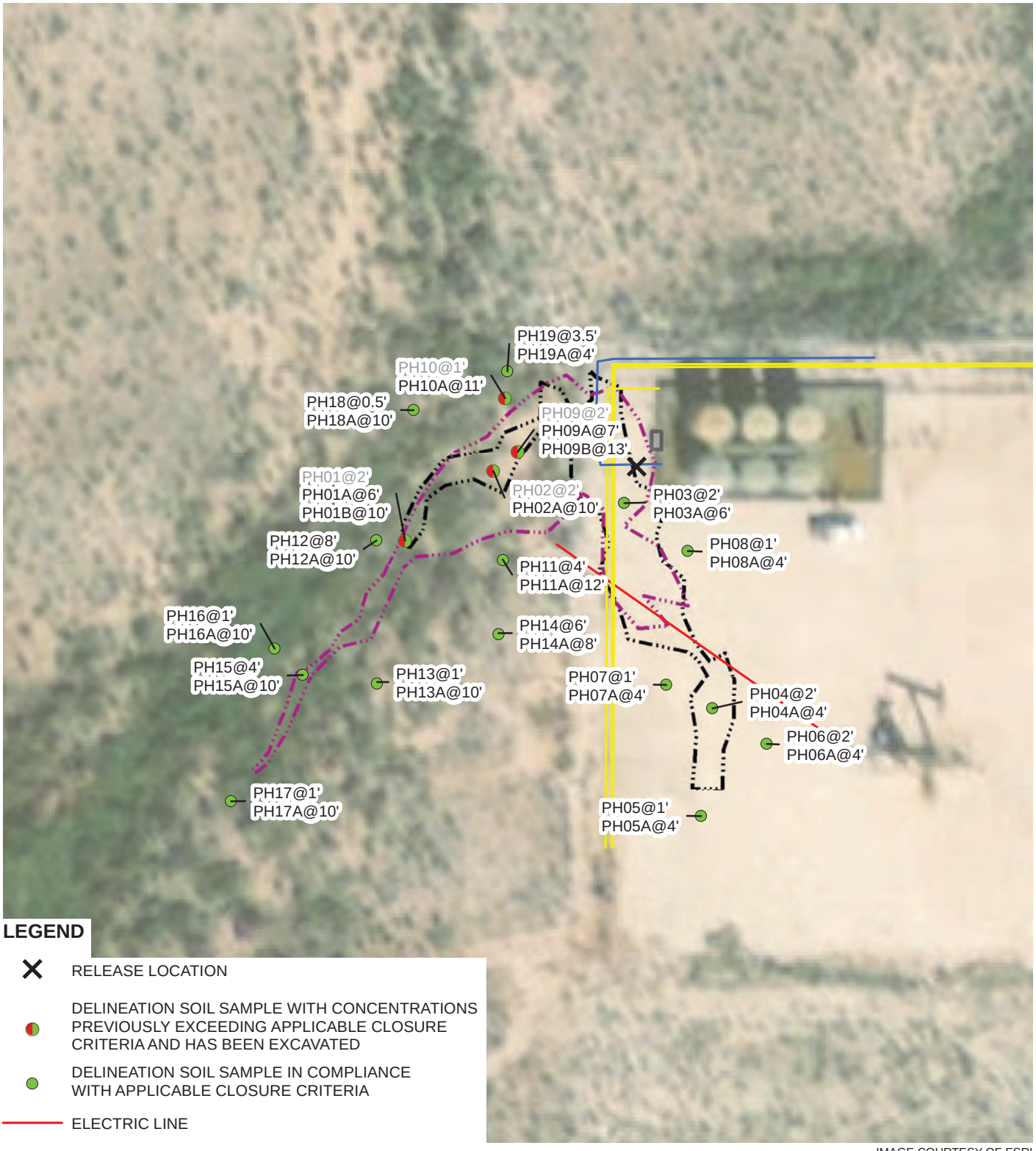
0 60 120

Feet

N

FIGURE 2
PRELIMINARY SOIL SAMPLE LOCATIONS
LONGVIEW FEDERAL 12-15H
UNIT C SEC 12 T23S R28E
EDDY COUNTY, NEW MEXICO
WPX ENERGY PERMIAN, LLC.

P:\WPX\GIS\MXD\034819045_LONGVIEW FEDERAL 12-5H\034819045_FIG02_PRELIMINARY_SS_2021.mxd



LEGEND

- RELEASE LOCATION
- DELINEATION SOIL SAMPLE WITH CONCENTRATIONS PREVIOUSLY EXCEEDING APPLICABLE CLOSURE CRITERIA AND HAS BEEN EXCAVATED
- DELINEATION SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- ELECTRIC LINE
- GAS/PIPELINE
- WATER LINE
- RELEASE EXTENT (NAB1927160599)
- RELEASE EXTENT (NAB1927729096)
- INFRASTRUCTURE

TEXT: INDICATES SOIL REPRESENTED BY SAMPLE THAT WAS REMOVED

SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

IMAGE COURTESY OF ESRI

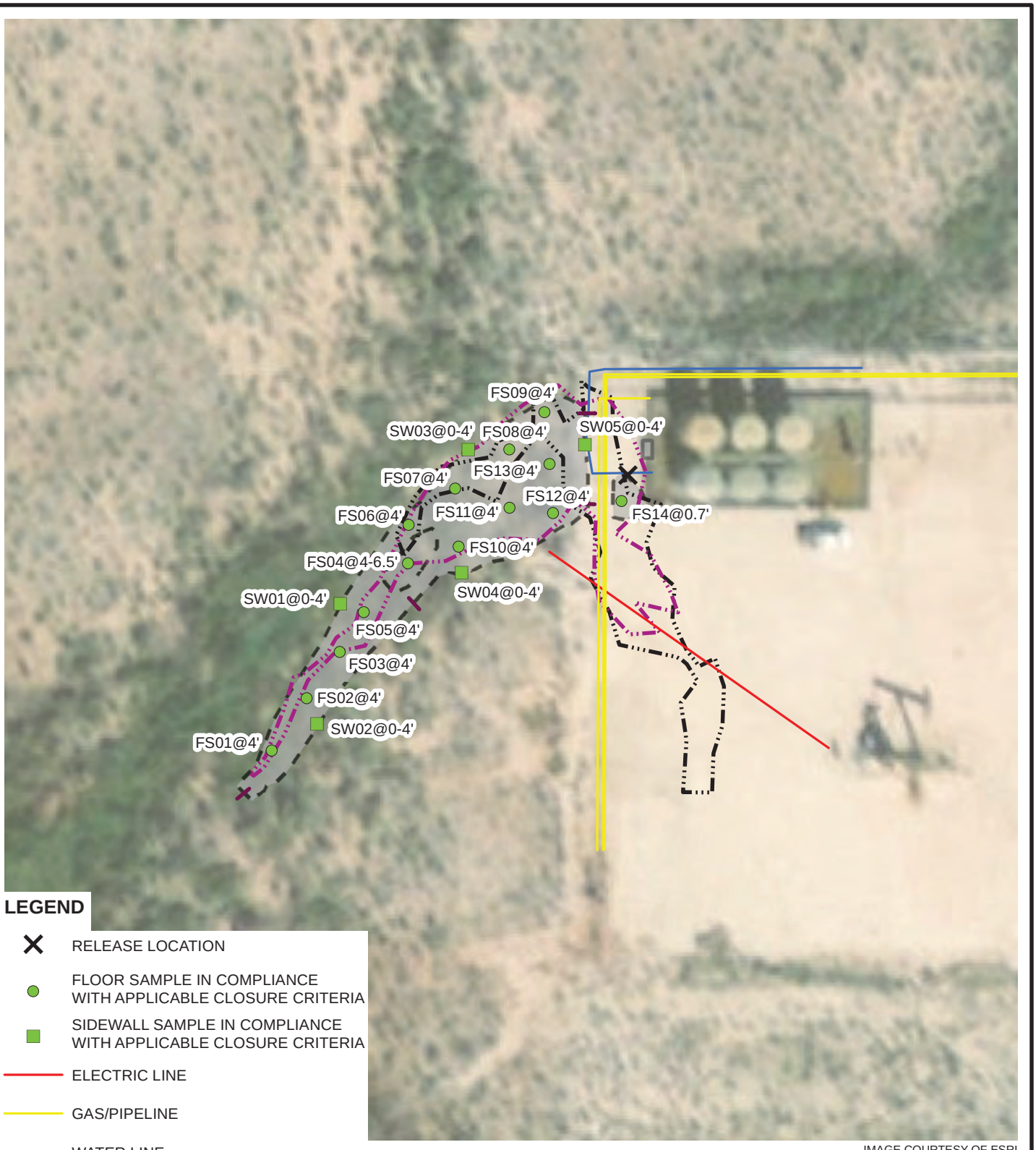
0 60 120

Feet

N

FIGURE 3
DELINEATION SOIL SAMPLE LOCATIONS
LONGVIEW FEDERAL 12-15H
UNIT C SEC 12 T23S R28E
EDDY COUNTY, NEW MEXICO
WPX ENERGY PERMIAN, LLC.

P:\WPX\GIS\MXD\034819045_LONGVIEW FEDERAL 12-5H\034819045_FIG03_DELINEATION_2021.mxd



LEGEND

- RELEASE LOCATION
- FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- SIDEWALL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- ELECTRIC LINE
- GAS/PIPELINE
- WATER LINE
- SIDEWALL BOUNDARY
- RELEASE EXTENT (NAB1927160599)
- RELEASE EXTENT (NAB1927729096)
- EXCAVATION EXTENT
- INFRASTRUCTURE

SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

IMAGE COURTESY OF ESRI

0 60 120

Feet

N

FIGURE 4
EXCAVATION SOIL SAMPLE LOCATIONS
LONGVIEW FEDERAL 12-15H
UNIT C SEC 12 T23S R28E
EDDY COUNTY, NEW MEXICO
WPX ENERGY PERMIAN, LLC.

wsp

P:\WPX\GIS\MXD\034819045_LONGVIEW FEDERAL 12-5H\034819045_FIG04_EXCAVATION_2021.mxd

TABLES

TABLE 1

Soil Analytical Results
Longview Federal 12-15H
Incident Numbers NAB1927160599 and NAB1927729096
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**	**10,000**
Surface Samples										
SS01	09/09/2019	0.5	0.00708	0.0135	<50.0	<50.0	<50.0	<50.0	<50.0	**4,400***
SS02	09/09/2019	0.5	0.0165	1.37	364	<49.8	<49.8	364	364	**8,620***
SS03	09/09/2019	0.5	0.0260	12.8	4,200	583	418	**4,780**	**5,200**	**47,600**
SS04	09/09/2019	0.5	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	5,730
Delineation Samples										
PH01	09/10/2019	2	<0.00101	<0.00101	<25.1	<25.1	<25.1	<25.1	<25.1	**16,100***
PH01A	09/10/2019	6	NA	NA	NA	NA	NA	NA	NA	**16,400**
PH01B	09/10/2019	10	NA	NA	NA	NA	NA	NA	NA	105
PH02	09/10/2019	2	0.00837	1.41	1,520	154	<25.1	**1,670**	1,670	**17,900***
PH02A	09/10/2019	10	<0.000990	0.0105	103	<25.0	<25.0	103	103	2,100
PH03	09/12/2019	2	<0.00101	0.502	206	<24.9	<24.9	206	206	982
PH03A	09/12/2019	6	NA	NA	NA	NA	NA	NA	NA	376
PH04	09/12/2019	2	<0.00100	0.00108	<25.1	<25.1	<25.1	<25.1	<25.1	1,460
PH04A	09/12/2019	4	NA	NA	NA	NA	NA	NA	NA	395
PH05	12/11/2019	1	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	370
PH05A	12/11/2019	4	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	52.3
PH06	12/11/2019	2	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	176
PH06A	12/11/2019	4	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	95.3
PH07	12/11/2019	1	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	220
PH07A	12/11/2019	4	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	176

TABLE 1

Soil Analytical Results
Longview Federal 12-15H
Incident Numbers NAB1927160599 and NAB1927729096
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**	**10,000**
PH08	12/11/2019	1	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	207
PH08A	12/11/2019	4	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	58.0
PH09	12/12/2019	2	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	**17,400***
PH09A	12/12/2019	7	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	57.2
PH09B	12/12/2019	13	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	20.0
PH10	12/12/2019	1	<0.00201	<0.00201	60.5	<50.0	<50.0	60.5	60.5	**760***
PH10A	12/12/2019	11	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	19.0
PH11	12/12/2019	4	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	642
PH11A	12/12/2019	12	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	383
PH12	12/12/2019	8	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	217
PH12A	12/12/2019	10	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	521
PH13	12/12/2019	1	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	19.0
PH13A	12/12/2019	10	<0.00199	<0.00199	<49.8	<49.8	<49.8	<49.8	<49.8	<9.96
PH14	01/31/2020	6	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	280
PH14A	01/31/2020	8	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	307
PH15	01/31/2020	4	<0.00201	<0.00201	<49.9	<49.9	<49.9	<49.9	<49.9	3,250
PH15A	01/31/2020	10	<0.00202	<0.00202	<50.1	<50.1	<50.1	<50.1	<50.1	<10.1
PH16	01/31/2020	1	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	16.9
PH16A	01/31/2020	10	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	16.7
PH17	01/31/2020	1	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	26.6

TABLE 1

Soil Analytical Results
Longview Federal 12-15H
Incident Numbers NAB1927160599 and NAB1927729096
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**	**10,000**
PH17A	01/31/2020	10	<0.00199	<0.00199	<50.2	<50.2	<50.2	<50.2	<50.2	10.1
PH18	05/29/2020	0.5	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	68.6
PH18A	05/29/2020	10	<0.00200	<0.00200	<50.1	<50.1	<50.1	<50.1	<50.1	10.8
PH19	05/29/2020	3.5	<0.00199	<0.00199	<49.9	<49.9	<49.9	<49.9	<49.9	357
PH19A	05/29/2020	4	<0.00202	<0.00202	<49.8	<49.8	<49.8	<49.8	<49.8	135
Excavation Floor Samples										
FS01	01/11/2021	4	<0.00199	<0.00199	<50.1	<50.1	<50.1	<50.1	<50.1	4,980
FS02	01/11/2021	4	<0.00202	<0.00202	<50.2	<50.2	<50.2	<50.2	<50.2	7,750
FS03	01/11/2021	4	<0.00201	<0.00201	<50.3	<50.3	<50.3	<50.3	<50.3	8,110
FS04	01/12/2021	4 - 6.5	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	8,230
FS05	01/11/2021	4	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	7,170
FS06	01/11/2021	4	<0.00198	<0.00198	<49.9	<49.9	<49.9	<49.9	<49.9	6,350
FS07	01/12/2021	4	<0.00200	<0.00200	<49.9	<49.9	<49.9	<49.9	<49.9	8,450
FS08	01/12/2021	4	<0.00201	<0.00201	<50.0	<50.0	<50.0	<50.0	<50.0	4,430
FS09	01/12/2021	4	<0.00198	<0.00198	<50.1	<50.1	<50.1	<50.1	<50.1	5,660
FS10	01/12/2021	4	<0.00198	<0.00198	<50.0	<50.0	<50.0	<50.0	<50.0	7,000
FS11	01/12/2021	4	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	4,390
FS12	01/12/2021	4	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	3,990
FS13	01/12/2021	4	<0.00201	<0.00201	<50.2	<50.2	<50.2	<50.2	<50.2	3,340

TABLE 1

Soil Analytical Results
Longview Federal 12-15H
Incident Numbers NAB1927160599 and NAB1927729096
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**	**10,000**
FS14	01/12/2021	0.7	<0.00200	<0.00200	<49.8	<49.8	<49.8	<49.8	<49.8	8,260
Excavation Sidewall Samples										
SW01	01/11/2021	0 - 4	<0.00198	<0.00198	<49.8	<49.8	<49.8	<49.8	<49.8	109*
SW02	01/11/2021	0 - 4	<0.00199	<0.00199	<50.0	<50.0	<50.0	<50.0	<50.0	115*
SW03	01/12/2021	0 - 4	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	59.3*
SW04	01/12/2021	0 - 4	<0.00200	<0.00200	<50.2	<50.2	<50.2	<50.2	<50.2	154*
SW05	01/12/2021	0 - 4	<0.00200	<0.00200	<50.3	<50.3	<50.3	<50.3	<50.3	5,900

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
* - indicates sample was collected in area to be reclaimed after remediation is complete; closure criteria for chloride concentration in the top 4 feet of soil is 600 mg/kg

ATTACHMENT 1: REFERENCED WELL RECORD

PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C 04418

Well owner: WPX Energy Phone No.:

Mailing address: 5315 Buena Vista Drive

City: Carlsbad State: NM Zip code: 88220

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: HRL Compliance Solutions

2) New Mexico Well Driller License No.: 1789 Expiration Date: 12/20/2020

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Kalvin (Kelly) Padilla

4) Date well plugging began: 4/3/2020 Date well plugging concluded: 4/3/2020

5) GPS Well Location: Latitude: 32 deg, 19 min, 29.6 sec
Longitude: -104 deg, 02 min, 33.7 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl), by the following manner: Measuring Tape

7) Static water level measured at initiation of plugging: > 55 ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: Not Applicabl

9) Were all plugging activities consistent with an approved plugging plan? Not Applicable If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

Version: September 8, 2009
Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	Clean Native Soil to 10' Bent chips to the surface	N/A	N/A	N/A	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

III. SIGNATURE:

I, Mark Mumby, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Signature of Well Driller

4/23/2020

Date

Version: September 8, 2009
Page 2 of 2

ATTACHMENT 2: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
WPX Energy Permian, LLC.	Longview Federal 12-15H Eddy County, New Mexico	TE034819045

Photo No.	Date
1	January 11-12, 2021

Northeast view of the excavation in the pasture.

Photo No.	Date
2	January 11-12, 2021

Southwest view of the excavation in the pasture.

PHOTOGRAPHIC LOG		
WPX Energy Permian, LLC.	Longview Federal 12-15H Eddy County, New Mexico	TE034819045

Photo No.	Date
3	January 11-12, 2021

North view of the release during excavation activities.

Photo No.	Date
4	January 11-12, 2021

Southwest view of the final excavation extent in the pasture.

ATTACHMENT 3: LABORATORY ANALYTICAL REPORTS

eurofins | Environment Testing Xenco

Certificate of Analysis Summary 684421

WSP USA, Dallas, TX

Project Name: Longview 12-15 H

Project Id: TE034819045
Contact: Joseph Hernandez
Project Location: Eddy County, New Mexico

Date Received in Lab: Tue 01.12.2021 15:30
Report Date: 01.18.2021 10:38
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	684421-001		684421-002		684421-003		684421-004		684421-005		684421-006	
	Field Id:	FS01		FS02		FS03		FS04		FS05		FS06	
	Depth:	4- ft		4- ft		4- ft		4-6.5 ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.11.2021 11:53		01.11.2021 14:42		01.11.2021 14:45		01.12.2021 10:58		01.11.2021 14:50		01.11.2021 14:51	
BTEX by EPA 8021B	***Extracted:***	01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00	
	Analyzed:	01.13.2021 09:36		01.13.2021 09:58		01.13.2021 10:21		01.13.2021 10:43		01.13.2021 11:06		01.13.2021 11:28	
	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	<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Toluene		<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Ethylbenzene		<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
m,p-Xylenes		<0.00398	0.00398	<0.00404	0.00404	<0.00402	0.00402	<0.00401	0.00401	<0.00399	0.00399	<0.00397	0.00397
o-Xylene		<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Total Xylenes		<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Total BTEX		<0.00199	0.00199	<0.00202	0.00202	<0.00201	0.00201	<0.00200	0.00200	<0.00200	0.00200	<0.00198	0.00198
Inorganic Anions by EPA 300	***Extracted:***	01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00	
	Analyzed:	01.12.2021 22:44		01.12.2021 23:02		01.12.2021 23:08		01.12.2021 23:14		01.12.2021 23:20		01.12.2021 23:38	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		4980	49.5	7750	49.5	8110 D	49.5	8230	50.4	7170	49.6	6350	50.3
TPH by SW8015 Mod	***Extracted:***	01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00	
	Analyzed:	01.13.2021 03:09		01.13.2021 04:08		01.13.2021 04:27		01.13.2021 04:46		01.13.2021 05:06		01.13.2021 05:25	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.1	50.1	<50.2	50.2	<50.3	50.3	<50.0	50.0	<50.0	50.0	<49.9	49.9
Diesel Range Organics (DRO)		<50.1	50.1	<50.2	50.2	<50.3	50.3	<50.0	50.0	<50.0	50.0	<49.9	49.9
Motor Oil Range Hydrocarbons (MRO)		<50.1	50.1	<50.2	50.2	<50.3	50.3	<50.0	50.0	<50.0	50.0	<49.9	49.9
Total TPH		<50.1	50.1	<50.2	50.2	<50.3	50.3	<50.0	50.0	<50.0	50.0	<49.9	49.9

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 684421

WSP USA, Dallas, TX

Project Name: Longview 12-15 H

Project Id: TE034819045
Contact: Joseph Hernandez
Project Location: Eddy County, New Mexico

Date Received in Lab: Tue 01.12.2021 15:30
Report Date: 01.18.2021 10:38
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	684421-007		684421-008		684421-009		684421-010		684421-011		684421-012	
	Field Id:	FS07		FS08		FS09		FS10		FS11		FS12	
	Depth:	4- ft		4- ft		4- ft		4- ft		4- ft		4- ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.12.2021 11:00		01.12.2021 12:41		01.12.2021 11:04		01.12.2021 11:30		01.12.2021 11:32		01.12.2021 11:35	
BTEX by EPA 8021B	***Extracted:***	01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00	
	Analyzed:	01.13.2021 11:51		01.13.2021 12:13		01.13.2021 12:36		01.13.2021 12:58		01.13.2021 14:18		01.13.2021 14:40	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00399	0.00399	<0.00402	0.00402	<0.00397	0.00397	<0.00397	0.00397	<0.00399	0.00399	<0.00401	0.00401
o-Xylene		<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00200	0.00200	<0.00201	0.00201	<0.00198	0.00198	<0.00198	0.00198	<0.00200	0.00200	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00	
	Analyzed:	01.12.2021 23:44		01.12.2021 23:50		01.12.2021 23:56		01.13.2021 00:02		01.13.2021 00:08		01.13.2021 00:26	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		8450	49.5	4430	50.3	5660	50.4	7000	50.1	4390	49.5	3990	49.5
TPH by SW8015 Mod	***Extracted:***	01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00	
	Analyzed:	01.13.2021 05:45		01.13.2021 06:04		01.13.2021 06:24		01.13.2021 06:43		01.13.2021 07:22		01.13.2021 07:41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<49.9	49.9	<50.0	50.0	<50.1	50.1	<50.0	50.0	<49.8	49.8	<49.8	49.8
Diesel Range Organics (DRO)		<49.9	49.9	<50.0	50.0	<50.1	50.1	<50.0	50.0	<49.8	49.8	<49.8	49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9	49.9	<50.0	50.0	<50.1	50.1	<50.0	50.0	<49.8	49.8	<49.8	49.8
Total TPH		<49.9	49.9	<50.0	50.0	<50.1	50.1	<50.0	50.0	<49.8	49.8	<49.8	49.8

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 684421

WSP USA, Dallas, TX

Project Name: Longview 12-15 H

Project Id: TE034819045
Contact: Joseph Hernandez
Project Location: Eddy County, New Mexico

Date Received in Lab: Tue 01.12.2021 15:30
Report Date: 01.18.2021 10:38
Project Manager: Jessica Kramer

Analysis Requested													
	Lab Id:	684421-013		684421-014		684421-015		684421-016		684421-017		684421-018	
	Field Id:	FS13		FS14		SW01		SW02		SW03		SW04	
	Depth:	4- ft		0.7- ft		0-4 ft		0-4 ft		0-4 ft		0-4 ft	
	Matrix:	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	Sampled:	01.12.2021 11:37		01.12.2021 12:20		01.11.2021 15:17		01.11.2021 15:19		01.12.2021 12:22		01.12.2021 12:25	
BTEX by EPA 8021B	***Extracted:***	01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00		01.12.2021 18:00	
	Analyzed:	01.13.2021 15:03		01.13.2021 15:25		01.13.2021 15:48		01.13.2021 16:10		01.13.2021 16:33		01.13.2021 16:55	
	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	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Toluene		<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Ethylbenzene		<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
m,p-Xylenes		<0.00402	0.00402	<0.00400	0.00400	<0.00396	0.00396	<0.00398	0.00398	<0.00399	0.00399	<0.00401	0.00401
o-Xylene		<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Total Xylenes		<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Total BTEX		<0.00201	0.00201	<0.00200	0.00200	<0.00198	0.00198	<0.00199	0.00199	<0.00200	0.00200	<0.00200	0.00200
Inorganic Anions by EPA 300	***Extracted:***	01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00	
	Analyzed:	01.13.2021 00:44		01.13.2021 00:50		01.13.2021 00:56		01.13.2021 01:02		01.13.2021 01:08		01.13.2021 01:14	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		3340	50.5	8260	50.5	109	10.1	115	9.98	59.3	10.0	154 D	9.92
TPH by SW8015 Mod	***Extracted:***	01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00		01.12.2021 17:00	
	Analyzed:	01.13.2021 08:01		01.13.2021 08:21		01.13.2021 08:41		01.13.2021 09:01		01.13.2021 09:22		01.13.2021 09:41	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.0	50.0	<50.2	50.2	<50.2	50.2
Diesel Range Organics (DRO)		<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.0	50.0	<50.2	50.2	<50.2	50.2
Motor Oil Range Hydrocarbons (MRO)		<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.0	50.0	<50.2	50.2	<50.2	50.2
Total TPH		<50.2	50.2	<49.8	49.8	<49.8	49.8	<50.0	50.0	<50.2	50.2	<50.2	50.2

BRL - Below Reporting Limit

Jessica Kramer

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Certificate of Analysis Summary 684421

WSP USA, Dallas, TX

Project Name: Longview 12-15 H

Project Id: TE034819045
Contact: Joseph Hernandez
Project Location: Eddy County, New Mexico

Date Received in Lab: Tue 01.12.2021 15:30
Report Date: 01.18.2021 10:38
Project Manager: Jessica Kramer

Analysis Requested							
	Lab Id:	684421-019					
	Field Id:	SW05					
	Depth:	0-4 ft					
	Matrix:	SOIL					
	Sampled:	01.12.2021 12:28					
BTEX by EPA 8021B	***Extracted:***	01.12.2021 18:00					
	Analyzed:	01.13.2021 17:18					
	Units/RL:	mg/kg RL					
Benzene		<0.00200 0.00200					
Toluene		<0.00200 0.00200					
Ethylbenzene		<0.00200 0.00200					
m,p-Xylenes		<0.00401 0.00401					
o-Xylene		<0.00200 0.00200					
Total Xylenes		<0.00200 0.00200					
Total BTEX		<0.00200 0.00200					
Inorganic Anions by EPA 300	***Extracted:***	01.12.2021 17:00					
	Analyzed:	01.13.2021 01:20					
	Units/RL:	mg/kg RL					
Chloride		5900 49.9					
TPH by SW8015 Mod	***Extracted:***	01.12.2021 17:00					
	Analyzed:	01.13.2021 10:01					
	Units/RL:	mg/kg RL					
Gasoline Range Hydrocarbons (GRO)		<50.3 50.3					
Diesel Range Organics (DRO)		<50.3 50.3					
Motor Oil Range Hydrocarbons (MRO)		<50.3 50.3					
Total TPH		<50.3 50.3					

BRL - Below Reporting Limit

Jessica Kramer

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

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Analytical Report 684421

for

WSP USA

Project Manager: Joseph Hernandez

Longview 12-15 H

TE034819045

01.18.2021

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

01.18.2021

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

Reference: Eurofins Xenco, LLC Report No(s): **684421**
Longview 12-15 H
Project Address: Eddy County, New Mexico

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) 684421. 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. 684421 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

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Sample Cross Reference 684421

WSP USA, Dallas, TX

Longview 12-15 H

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
FS01	S	01.11.2021 11:53	4 ft	684421-001
FS02	S	01.11.2021 14:42	4 ft	684421-002
FS03	S	01.11.2021 14:45	4 ft	684421-003
FS04	S	01.12.2021 10:58	4 - 6.5 ft	684421-004
FS05	S	01.11.2021 14:50	4 ft	684421-005
FS06	S	01.11.2021 14:51	4 ft	684421-006
FS07	S	01.12.2021 11:00	4 ft	684421-007
FS08	S	01.12.2021 12:41	4 ft	684421-008
FS09	S	01.12.2021 11:04	4 ft	684421-009
FS10	S	01.12.2021 11:30	4 ft	684421-010
FS11	S	01.12.2021 11:32	4 ft	684421-011
FS12	S	01.12.2021 11:35	4 ft	684421-012
FS13	S	01.12.2021 11:37	4 ft	684421-013
FS14	S	01.12.2021 12:20	0.7 ft	684421-014
SW01	S	01.11.2021 15:17	0 - 4 ft	684421-015
SW02	S	01.11.2021 15:19	0 - 4 ft	684421-016
SW03	S	01.12.2021 12:22	0 - 4 ft	684421-017
SW04	S	01.12.2021 12:25	0 - 4 ft	684421-018
SW05	S	01.12.2021 12:28	0 - 4 ft	684421-019

CASE NARRATIVE

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Client Name: WSP USA

Project Name: Longview 12-15 H

Project ID: *TE034819045*
Work Order Number(s): *684421*

Report Date: *01.18.2021*
Date Received: *01.12.2021*

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

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Certificate of Analytical Results 684421

WSP USA, Dallas, TX

Longview 12-15 H

Sample Id:	**FS01**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-001	Date Collected:	01.11.2021 11:53	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4980**	49.5	mg/kg	01.12.2021 22:44		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.13.2021 03:09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.13.2021 03:09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.13.2021 03:09	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.13.2021 03:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-135	01.13.2021 03:09	
o-Terphenyl	84-15-1	112	%	70-135	01.13.2021 03:09	

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Certificate of Analytical Results 684421

WSP USA, Dallas, TX

Longview 12-15 H

Sample Id:	**FS01**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-001	Date Collected:	01.11.2021 11:53	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.13.2021 09:36	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.13.2021 09:36	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.13.2021 09:36	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.13.2021 09:36	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.13.2021 09:36	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.13.2021 09:36	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.13.2021 09:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	01.13.2021 09:36	
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.13.2021 09:36	

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Certificate of Analytical Results 684421

WSP USA, Dallas, TX

Longview 12-15 H

Sample Id:	**FS02**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-002	Date Collected:	01.11.2021 14:42	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7750**	49.5	mg/kg	01.12.2021 23:02		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.13.2021 04:08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.13.2021 04:08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.13.2021 04:08	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.13.2021 04:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	120	%	70-135	01.13.2021 04:08	
o-Terphenyl	84-15-1	116	%	70-135	01.13.2021 04:08	

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Certificate of Analytical Results 684421

WSP USA, Dallas, TX

Longview 12-15 H

Sample Id:	**FS02**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-002	Date Collected:	01.11.2021 14:42	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	01.13.2021 09:58	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	01.13.2021 09:58	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	01.13.2021 09:58	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	01.13.2021 09:58	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	01.13.2021 09:58	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	01.13.2021 09:58	U	1
Total BTEX		<0.00202	0.00202	mg/kg	01.13.2021 09:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	123	%	70-130	01.13.2021 09:58	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.13.2021 09:58	

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Longview 12-15 H

Sample Id:	**FS03**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-003	Date Collected:	01.11.2021 14:45	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8110**	49.5	mg/kg	01.15.2021 11:51	D	5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.13.2021 04:27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.13.2021 04:27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.13.2021 04:27	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.13.2021 04:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	01.13.2021 04:27	
o-Terphenyl	84-15-1	107	%	70-135	01.13.2021 04:27	

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Longview 12-15 H

Sample Id:	**FS03**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-003	Date Collected:	01.11.2021 14:45	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.13.2021 10:21	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.13.2021 10:21	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.13.2021 10:21	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.13.2021 10:21	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.13.2021 10:21	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.13.2021 10:21	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.13.2021 10:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.13.2021 10:21	
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.13.2021 10:21	

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Sample Id:	**FS04**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-004	Date Collected:	01.12.2021 10:58	Sample Depth:	4 - 6.5 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8230**	50.4	mg/kg	01.12.2021 23:14		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.13.2021 04:46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.13.2021 04:46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.13.2021 04:46	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.13.2021 04:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	01.13.2021 04:46	
o-Terphenyl	84-15-1	112	%	70-135	01.13.2021 04:46	

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Sample Id:	**FS04**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-004	Date Collected:	01.12.2021 10:58	Sample Depth:	4 - 6.5 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 10:43	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 10:43	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 10:43	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.13.2021 10:43	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 10:43	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 10:43	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.13.2021 10:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.13.2021 10:43	
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.13.2021 10:43	

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Sample Id:	**FS05**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-005	Date Collected:	01.11.2021 14:50	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7170**	49.6	mg/kg	01.12.2021 23:20		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.13.2021 05:06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.13.2021 05:06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.13.2021 05:06	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.13.2021 05:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-135	01.13.2021 05:06	
o-Terphenyl	84-15-1	98	%	70-135	01.13.2021 05:06	

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Sample Id:	**FS05**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-005	Date Collected:	01.11.2021 14:50	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 11:06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 11:06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 11:06	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.13.2021 11:06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 11:06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 11:06	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.13.2021 11:06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	108	%	70-130	01.13.2021 11:06	
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.13.2021 11:06	

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Sample Id:	**FS06**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-006	Date Collected:	01.11.2021 14:51	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**6350**	50.3	mg/kg	01.12.2021 23:38		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.13.2021 05:25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.13.2021 05:25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.13.2021 05:25	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.13.2021 05:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	01.13.2021 05:25	
o-Terphenyl	84-15-1	118	%	70-135	01.13.2021 05:25	

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Sample Id:	**FS06**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-006	Date Collected:	01.11.2021 14:51	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.13.2021 11:28	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.13.2021 11:28	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.13.2021 11:28	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.13.2021 11:28	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.13.2021 11:28	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.13.2021 11:28	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.13.2021 11:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.13.2021 11:28	
4-Bromofluorobenzene	460-00-4	124	%	70-130	01.13.2021 11:28	

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Sample Id:	**FS07**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-007	Date Collected:	01.12.2021 11:00	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8450**	49.5	mg/kg	01.12.2021 23:44		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	01.13.2021 05:45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	01.13.2021 05:45	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	01.13.2021 05:45	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	01.13.2021 05:45	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	01.13.2021 05:45	
o-Terphenyl	84-15-1	106	%	70-135	01.13.2021 05:45	

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Longview 12-15 H

Sample Id:	**FS07**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-007	Date Collected:	01.12.2021 11:00	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 11:51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 11:51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 11:51	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.13.2021 11:51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 11:51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 11:51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.13.2021 11:51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	128	%	70-130	01.13.2021 11:51	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.13.2021 11:51	

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Sample Id:	**FS08**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-008	Date Collected:	01.12.2021 12:41	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4430**	50.3	mg/kg	01.12.2021 23:50		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.13.2021 06:04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.13.2021 06:04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.13.2021 06:04	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.13.2021 06:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	125	%	70-135	01.13.2021 06:04	
o-Terphenyl	84-15-1	116	%	70-135	01.13.2021 06:04	

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Sample Id:	**FS08**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-008	Date Collected:	01.12.2021 12:41	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.13.2021 12:13	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.13.2021 12:13	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.13.2021 12:13	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.13.2021 12:13	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.13.2021 12:13	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.13.2021 12:13	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.13.2021 12:13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.13.2021 12:13	
4-Bromofluorobenzene	460-00-4	122	%	70-130	01.13.2021 12:13	

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Sample Id:	**FS09**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-009	Date Collected:	01.12.2021 11:04	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5660**	50.4	mg/kg	01.12.2021 23:56		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.1	50.1	mg/kg	01.13.2021 06:24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.1	50.1	mg/kg	01.13.2021 06:24	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.1	50.1	mg/kg	01.13.2021 06:24	U	1
Total TPH	PHC635	<50.1	50.1	mg/kg	01.13.2021 06:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	123	%	70-135	01.13.2021 06:24	
o-Terphenyl	84-15-1	106	%	70-135	01.13.2021 06:24	

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Longview 12-15 H

Sample Id:	**FS09**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-009	Date Collected:	01.12.2021 11:04	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.13.2021 12:36	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.13.2021 12:36	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.13.2021 12:36	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.13.2021 12:36	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.13.2021 12:36	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.13.2021 12:36	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.13.2021 12:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	125	%	70-130	01.13.2021 12:36	
1,4-Difluorobenzene	540-36-3	110	%	70-130	01.13.2021 12:36	

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Longview 12-15 H

Sample Id:	**FS10**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-010	Date Collected:	01.12.2021 11:30	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**7000**	50.1	mg/kg	01.13.2021 00:02		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.13.2021 06:43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.13.2021 06:43	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.13.2021 06:43	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.13.2021 06:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	122	%	70-135	01.13.2021 06:43	
o-Terphenyl	84-15-1	114	%	70-135	01.13.2021 06:43	

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Longview 12-15 H

Sample Id:	**FS10**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-010	Date Collected:	01.12.2021 11:30	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.13.2021 12:58	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.13.2021 12:58	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.13.2021 12:58	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	01.13.2021 12:58	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.13.2021 12:58	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.13.2021 12:58	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.13.2021 12:58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.13.2021 12:58	
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.13.2021 12:58	

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Longview 12-15 H

Sample Id:	**FS11**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-011	Date Collected:	01.12.2021 11:32	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**4390**	49.5	mg/kg	01.13.2021 00:08		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.13.2021 07:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.13.2021 07:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.13.2021 07:22	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.13.2021 07:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-135	01.13.2021 07:22	
o-Terphenyl	84-15-1	98	%	70-135	01.13.2021 07:22	

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Longview 12-15 H

Sample Id:	**FS11**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-011	Date Collected:	01.12.2021 11:32	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 14:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 14:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 14:18	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.13.2021 14:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 14:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 14:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.13.2021 14:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.13.2021 14:18	
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.13.2021 14:18	

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Longview 12-15 H

Sample Id:	**FS12**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-012	Date Collected:	01.12.2021 11:35	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3990**	49.5	mg/kg	01.13.2021 00:26		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.13.2021 07:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.13.2021 07:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.13.2021 07:41	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.13.2021 07:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	128	%	70-135	01.13.2021 07:41	
o-Terphenyl	84-15-1	122	%	70-135	01.13.2021 07:41	

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Longview 12-15 H

Sample Id:	**FS12**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-012	Date Collected:	01.12.2021 11:35	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 14:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 14:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 14:40	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.13.2021 14:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 14:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 14:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.13.2021 14:40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118	%	70-130	01.13.2021 14:40	
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.13.2021 14:40	

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Longview 12-15 H

Sample Id:	**FS13**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-013	Date Collected:	01.12.2021 11:37	Sample Depth:	4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**3340**	50.5	mg/kg	01.13.2021 00:44		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.13.2021 08:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.13.2021 08:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.13.2021 08:01	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.13.2021 08:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-135	01.13.2021 08:01	
o-Terphenyl	84-15-1	106	%	70-135	01.13.2021 08:01	

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Sample Id:	**FS13**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-013	Date Collected:	01.12.2021 11:37	Sample Depth:	4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	01.13.2021 15:03	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	01.13.2021 15:03	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	01.13.2021 15:03	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	01.13.2021 15:03	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	01.13.2021 15:03	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	01.13.2021 15:03	U	1
Total BTEX		<0.00201	0.00201	mg/kg	01.13.2021 15:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	103	%	70-130	01.13.2021 15:03	
4-Bromofluorobenzene	460-00-4	113	%	70-130	01.13.2021 15:03	

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Longview 12-15 H

Sample Id:	**FS14**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-014	Date Collected:	01.12.2021 12:20	Sample Depth:	0.7 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**8260**	50.5	mg/kg	01.13.2021 00:50		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.13.2021 08:21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.13.2021 08:21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.13.2021 08:21	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.13.2021 08:21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-135	01.13.2021 08:21	
o-Terphenyl	84-15-1	118	%	70-135	01.13.2021 08:21	

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Sample Id:	**FS14**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-014	Date Collected:	01.12.2021 12:20	Sample Depth:	0.7 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 15:25	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 15:25	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 15:25	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	01.13.2021 15:25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 15:25	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 15:25	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.13.2021 15:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	01.13.2021 15:25	
1,4-Difluorobenzene	540-36-3	105	%	70-130	01.13.2021 15:25	

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Longview 12-15 H

Sample Id:	**SW01**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-015	Date Collected:	01.11.2021 15:17	Sample Depth:	0 - 4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**109**	10.1	mg/kg	01.13.2021 00:56		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	01.13.2021 08:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	01.13.2021 08:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	01.13.2021 08:41	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	01.13.2021 08:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	108	%	70-135	01.13.2021 08:41	
o-Terphenyl	84-15-1	120	%	70-135	01.13.2021 08:41	

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Longview 12-15 H

Sample Id:	**SW01**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-015	Date Collected:	01.11.2021 15:17	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	01.13.2021 15:48	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	01.13.2021 15:48	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	01.13.2021 15:48	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	01.13.2021 15:48	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	01.13.2021 15:48	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	01.13.2021 15:48	U	1
Total BTEX		<0.00198	0.00198	mg/kg	01.13.2021 15:48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	121	%	70-130	01.13.2021 15:48	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.13.2021 15:48	

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Longview 12-15 H

Sample Id:	**SW02**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-016	Date Collected:	01.11.2021 15:19	Sample Depth:	0 - 4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**115**	9.98	mg/kg	01.13.2021 01:02		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	01.13.2021 09:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	01.13.2021 09:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	01.13.2021 09:01	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	01.13.2021 09:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	117	%	70-135	01.13.2021 09:01	
o-Terphenyl	84-15-1	104	%	70-135	01.13.2021 09:01	

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Certificate of Analytical Results 684421

WSP USA, Dallas, TX

Longview 12-15 H

Sample Id:	**SW02**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-016	Date Collected:	01.11.2021 15:19	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.13.2021 16:10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.13.2021 16:10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	01.13.2021 16:10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	01.13.2021 16:10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.13.2021 16:10	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	01.13.2021 16:10	U	1
Total BTEX		<0.00199	0.00199	mg/kg	01.13.2021 16:10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116	%	70-130	01.13.2021 16:10	
1,4-Difluorobenzene	540-36-3	107	%	70-130	01.13.2021 16:10	

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WSP USA, Dallas, TX

Longview 12-15 H

Sample Id:	**SW03**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-017	Date Collected:	01.12.2021 12:22	Sample Depth:	0 - 4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**59.3**	10.0	mg/kg	01.13.2021 01:08		1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.13.2021 09:22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.13.2021 09:22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.13.2021 09:22	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.13.2021 09:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	114	%	70-135	01.13.2021 09:22	
o-Terphenyl	84-15-1	104	%	70-135	01.13.2021 09:22	

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WSP USA, Dallas, TX

Longview 12-15 H

Sample Id:	**SW03**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-017	Date Collected:	01.12.2021 12:22	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 16:33	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 16:33	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 16:33	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	01.13.2021 16:33	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 16:33	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 16:33	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.13.2021 16:33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.13.2021 16:33	
1,4-Difluorobenzene	540-36-3	106	%	70-130	01.13.2021 16:33	

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Certificate of Analytical Results 684421

WSP USA, Dallas, TX

Longview 12-15 H

Sample Id:	**SW04**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-018	Date Collected:	01.12.2021 12:25	Sample Depth:	0 - 4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**154**	9.92	mg/kg	01.15.2021 11:56	D	1

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.2	50.2	mg/kg	01.13.2021 09:41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.2	50.2	mg/kg	01.13.2021 09:41	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.2	50.2	mg/kg	01.13.2021 09:41	U	1
Total TPH	PHC635	<50.2	50.2	mg/kg	01.13.2021 09:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-135	01.13.2021 09:41	
o-Terphenyl	84-15-1	106	%	70-135	01.13.2021 09:41	

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WSP USA, Dallas, TX

Longview 12-15 H

Sample Id:	**SW04**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-018	Date Collected:	01.12.2021 12:25	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 16:55	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 16:55	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 16:55	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.13.2021 16:55	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 16:55	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 16:55	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.13.2021 16:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	120	%	70-130	01.13.2021 16:55	
1,4-Difluorobenzene	540-36-3	109	%	70-130	01.13.2021 16:55	

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Certificate of Analytical Results 684421

WSP USA, Dallas, TX

Longview 12-15 H

Sample Id:	**SW05**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-019	Date Collected:	01.12.2021 12:28	Sample Depth:	0 - 4 ft

Analytical Method:	Inorganic Anions by EPA 300			Prep Method:	E300P
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147636			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	**5900**	49.9	mg/kg	01.13.2021 01:20		5

Analytical Method:	TPH by SW8015 Mod			Prep Method:	SW8015P
Tech:	CAC				
Analyst:	CAC	Date Prep:	01.12.2021 17:00	% Moisture:	
Seq Number:	3147664			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.3	50.3	mg/kg	01.13.2021 10:01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<50.3	50.3	mg/kg	01.13.2021 10:01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.3	50.3	mg/kg	01.13.2021 10:01	U	1
Total TPH	PHC635	<50.3	50.3	mg/kg	01.13.2021 10:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	126	%	70-135	01.13.2021 10:01	
o-Terphenyl	84-15-1	106	%	70-135	01.13.2021 10:01	

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Certificate of Analytical Results 684421

WSP USA, Dallas, TX

Longview 12-15 H

Sample Id:	**SW05**	Matrix:	Soil	Date Received:	01.12.2021 15:30
Lab Sample Id:	684421-019	Date Collected:	01.12.2021 12:28	Sample Depth:	0 - 4 ft
Analytical Method:	BTEX by EPA 8021B			Prep Method:	SW5035A
Tech:	MAB				
Analyst:	MAB	Date Prep:	01.12.2021 18:00	% Moisture:	
Seq Number:	3147744			Basis:	Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.13.2021 17:18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.13.2021 17:18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.13.2021 17:18	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.13.2021 17:18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.13.2021 17:18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.13.2021 17:18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.13.2021 17:18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	102	%	70-130	01.13.2021 17:18	
4-Bromofluorobenzene	460-00-4	117	%	70-130	01.13.2021 17:18	

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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 684421

WSP USA

Longview 12-15 H

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3147636 — Matrix: Solid — Date Prep: 01.12.2021
MB Sample Id: 7719044-1-BLK — LCS Sample Id: 7719044-1-BKS — LCSD Sample Id: 7719044-1-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	250	254	102	255	102	90-110	0	20	mg/kg	01.12.2021 22:33	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3147636 — Matrix: Soil — Date Prep: 01.12.2021
Parent Sample Id: 684421-001 — MS Sample Id: 684421-001 S — MSD Sample Id: 684421-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	4980	202	5200	109	5180	100	90-110	0	20	mg/kg	01.12.2021 22:50	

Analytical Method: Inorganic Anions by EPA 300 — Prep Method: E300P
Seq Number: 3147636 — Matrix: Soil — Date Prep: 01.12.2021
Parent Sample Id: 684421-011 — MS Sample Id: 684421-011 S — MSD Sample Id: 684421-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	4390	202	4590	99	4580	94	90-110	0	20	mg/kg	01.13.2021 00:14	

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147664 — Matrix: Solid — Date Prep: 01.12.2021
MB Sample Id: 7719081-1-BLK — LCS Sample Id: 7719081-1-BKS — LCSD Sample Id: 7719081-1-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	990	99	988	99	70-135	0	35	mg/kg	01.12.2021 17:33	
Diesel Range Organics (DRO)	<50.0	1000	1030	103	1030	103	70-135	0	35	mg/kg	01.12.2021 17:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		118		107		70-135	%	01.12.2021 17:33
o-Terphenyl	108		109		111		70-135	%	01.12.2021 17:33

Analytical Method: TPH by SW8015 Mod — Prep Method: SW8015P
Seq Number: 3147664 — Matrix: Solid — Date Prep: 01.12.2021
MB Sample Id: 7719081-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	01.12.2021 17:13	

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 684421

WSP USA

Longview 12-15 H

Analytical Method: **TPH by SW8015 Mod** Prep Method: SW8015P
Seq Number: 3147664 Matrix: Soil Date Prep: 01.12.2021
Parent Sample Id: 684421-001 MS Sample Id: 684421-001 S MSD Sample Id: 684421-001 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)	<50.3	1010	1120	111	1190	119	70-135	6	35	mg/kg	01.13.2021 03:28	
Diesel Range Organics (DRO)	<50.3	1010	1210	120	1130	113	70-135	7	35	mg/kg	01.13.2021 03:28	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	120		114		70-135	%	01.13.2021 03:28
o-Terphenyl	106		96		70-135	%	01.13.2021 03:28

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3147744 Matrix: Solid Date Prep: 01.12.2021
MB Sample Id: 7719139-1-BLK LCS Sample Id: 7719139-1-BKS LCSD Sample Id: 7719139-1-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	0.0968	97	0.0919	92	70-130	5	35	mg/kg	01.13.2021 07:31	
Toluene	<0.00200	0.100	0.0912	91	0.0844	84	70-130	8	35	mg/kg	01.13.2021 07:31	
Ethylbenzene	<0.00200	0.100	0.0945	95	0.0869	87	71-129	8	35	mg/kg	01.13.2021 07:31	
m,p-Xylenes	<0.00400	0.200	0.197	99	0.180	90	70-135	9	35	mg/kg	01.13.2021 07:31	
o-Xylene	<0.00200	0.100	0.0973	97	0.0895	90	71-133	8	35	mg/kg	01.13.2021 07:31	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		100		100		70-130	%	01.13.2021 07:31
4-Bromofluorobenzene	115		114		108		70-130	%	01.13.2021 07:31

Analytical Method: **BTEX by EPA 8021B** Prep Method: SW5035A
Seq Number: 3147744 Matrix: Soil Date Prep: 01.12.2021
Parent Sample Id: 684421-001 MS Sample Id: 684421-001 S MSD Sample Id: 684421-001 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	0.100	0.103	103	0.103	103	70-130	0	35	mg/kg	01.13.2021 08:16	
Toluene	<0.00200	0.100	0.0962	96	0.0952	95	70-130	1	35	mg/kg	01.13.2021 08:16	
Ethylbenzene	<0.00200	0.100	0.0972	97	0.0965	97	71-129	1	35	mg/kg	01.13.2021 08:16	
m,p-Xylenes	<0.00401	0.200	0.202	101	0.200	100	70-135	1	35	mg/kg	01.13.2021 08:16	
o-Xylene	<0.00200	0.100	0.100	100	0.0988	99	71-133	1	35	mg/kg	01.13.2021 08:16	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		103		70-130	%	01.13.2021 08:16
4-Bromofluorobenzene	117		118		70-130	%	01.13.2021 08:16

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

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 Craslbad, 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: 1084421

Project Manager:	Joseph Hernandez	Bill to: (if different)	Jim Baley
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:	Longview 12-15H	Turn Around	
Project Number:	TE034819045	Routine ☐	
Project Location	Eddy county	Rush: 3 day	
Sampler's Name:	Fatima Smith	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	2.0/1.8	Thermometer ID	
Received Intact:	(Yes) No	T-NM-007	
Cooler Custody Seals:	Yes (No) N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes (No) N/A	Total Containers:	19

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 8021)	Chloride (EPA 300.0)	Sample Comments
	FS01	S	1/11/21	1153	4'	1				
	FS02		1/11/21	1442	4'					
	FS03		1/11/21	1445	4'					
	FS04		1/12/21	1058	4-6.5'					
	FS05		1/11/21	1450	4'					
	FS06		1/11/21	1451	4'					
	FS07		1/12/21	1100	4'					
	FS08		1/12/21	1241	4'					
	FS09		1/12/21	1104	4'					
	FS10		1/12/21	1130	4'					

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
Fatima	Cioe Cuto	1.12.21 1530	2		
			4		
			6		

Revised Date 022619 Rev. 2019.1

Chain of Custody

Work Order No: 684421

XENCO LABORATORIES

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 Craslbad, 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 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:	Longview 12-15H	Turn Around	
Project Number:	TE034819045	Routine ☐	
Project Location	Eddy county	Rush: 3 day	
Sampler's Name:	Fatima Smith	Due Date:	
PO #:		Quote #:	

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Temperature (°C):		Thermometer ID	See Page 1
Received Intact:	Yes No		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	
Sample Custody Seals:	Yes No N/A	Total Containers:	

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
	FS11	S	1/12/21	1132	4'					
	FS12		1/12/21	1135	4'					
	FS13		1/12/21	1137	4'					
	FS14		1/12/21	1220	0.7'					
	SW01		1/11/21	1517	0-4'					
	SW02		1/11/21	1519	0-4'					
	SW03		1/12/21	1222	0-4'					
	SW04		1/12/21	1225	0-4'					
	SW05		1/12/21	1228	0-4'					

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

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		Cloe Cuello	1.12.21 1530	2		
3				4		
5				6		

Revised Date 022619 Rev. 2019.1

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: WSP USA

Date/ Time Received: 01.12.2021 03.30.00 PM

Work Order #: 684421

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

Temperature Measuring device used : T_NM_007

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	1.8	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**Yes**	
#5 Custody Seals intact on sample bottles?	**Yes**	
#6*Custody Seals Signed and dated?	**Yes**	
#7 *Chain of Custody present?	**Yes**	
#8 Any missing/extra samples?	**No**	
#9 Chain of Custody signed when relinquished/ received?	**Yes**	
#10 Chain of Custody agrees with sample labels/matrix?	**Yes**	
#11 Container label(s) legible and intact?	**Yes**	
#12 Samples in proper container/ bottle?	**Yes**	Samples received in bulk containers.
#13 Samples properly preserved?	**Yes**	
#14 Sample container(s) intact?	**Yes**	
#15 Sufficient sample amount for indicated test(s)?	**Yes**	
#16 All samples received within hold time?	**Yes**	
#17 Subcontract of sample(s)?	**No**	
#18 Water VOC samples have zero headspace?	**N/A**	

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

Analyst: PH Device/Lot#:

Checklist completed by: Cloe Clifton Date: 01.12.2021

Checklist reviewed by: Jessica Kramer Date: 01.13.2021

Jessica Kramer

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 21542

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
WPX ENERGY PERMIAN, LLC	3500 One Williams Center	Tulsa, OK74172	246289	21542	C-141

OCD Reviewer	Condition
chensley	None