

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	nAPP2110942033
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: WPX Energy Permian, LLC.	OGRID: 246289
Contact Name: Lynda Laumbach	Contact Telephone: (575) 725-1647
Contact email: Lynda.Laumbach@wpxenergy.com	Incident # (assigned by OCD)
Contact mailing address: 5315 Buena Vista Drive, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.325495 Longitude -104.0426926
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Longview Federal 12-15H	Site Type: Production Facility
Date Release Discovered: 04/09/2021	API# (if applicable): 30-015-41092

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

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls): 6	Volume Recovered (bbls): 2
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release:

At 8:00 hours ¼ inch connection sheared on the water transfer line causing ~6bbl PW to impact the pad surface and into the pasture. 2bbl of PW was recovered using a vacuum truck.


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

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: <u>Lynda Laumbach</u>	Title: <u>Environmental Specialist</u>
Signature: <u></u>	Date: <u>04/19/2021</u>
email: <u>Lynda.Laumbach@wpenergy.com</u>	Telephone: <u>(575)725-1647</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

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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?	>50 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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

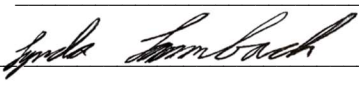
If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, 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.

State of New Mexico
Oil Conservation Division

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

Printed Name: Lynda Laumbach Title: Environmental Professional
Signature:  Date: 06/15/2021
email: Lynda.Laumbach@dmn.com Telephone: (575)725-1647

OCD Only

Received by: Cristina Eads Date: 07/08/2021

Incident ID	nAPP2110942033
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Closure

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

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

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

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

Printed Name: Lynda Laumbach

Title: Environmental Professional

Signature: 

Date: 07/08/2021

email: lynda.laumbach@dvn.com

Telephone: 575-725-1647

OCD Only

Received by: Cristina Eads

Date: 07/08/2021

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: 

Date: 07/20/2021

Printed Name: Cristina Eads

Title: Environmental Specialist



WSP USA

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

July 6, 2021

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

**RE: Closure Request
WPX Energy Permian, LLC.
Longview Federal 12-15H
Incident Number nAPP2110942033
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 a release 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 Number nAPP2110942033.

RELEASE BACKGROUND

On April 9, 2021, a 1/4-inch connection sheared on the water transfer line connection and caused the release of approximately 6 barrels (bbls) of produced water onto of the well pad surface and the adjacent pasture. A vacuum truck was dispatched to the Site and recovered approximately 2 bbls of produced water. WPX reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification and Corrective Action Form C-141 (Form C-141) on April 19, 2021 that was subsequently assigned Incident Number nAPP2110942033.

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). 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 augers, the soil boring was advanced to a total depth of approximately 55 feet bgs. Water was not observed during drilling operations or 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.

The closest significant watercourse to the Site is the Pecos River, located approximately 3,939 feet west of the Site. The Site is greater than 300 feet from any occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is located in a medium-potential karst area. Potential receptors identified during site characterization are displayed in Figure 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

The reclamation closure criteria of 600 mg/kg chloride and 100 mg/kg TPH applies to the top 4 feet of the pasture, per NMAC 19.15.29.13.D (1) for the top 4 feet of areas that will be immediately reclaimed following remediation.

INITIAL SITE ASSESSMENT ACTIVITIES

On April 9, 2021, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. WSP reviewed and verified the incident description (release source and release location) with visual soil impacts and confirmed the release impacted the well pad surface and the adjacent pasture. The release extent was mapped utilizing a handheld Global Positioning System (GPS) unit and is depicted on Figure 2.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

Between April 21 and May 7, 2021, WSP conducted delineation and excavation activities simultaneously in order to define the extent of vertical and lateral impacts and remove residual impacts exceeding the Closure Criteria and/or reclamation requirements in the pasture.



Delineation activities were directed by field screening soil samples for volatile aromatic hydrocarbons using a calibrated photoionization detector (PID) and chloride using Hach® chloride QuanTab® test strips. A total of nine potholes (PH01 through PH09) were advanced with mechanical equipment within and around the release extent to assess the lateral and vertical extent of impacted soil. A minimum of two soil samples were collected from each of the pothole locations: the sample with the highest observed field screening concentrations depth (ranging from approximately 0.5-feet to 1-foot bgs) and the greatest depth (ranging from approximately 1-foot to 6 feet bgs). The delineation soil samples were placed directly into a pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C), under strict chain-of-custody (COC) procedures, to Eurofins Xenco LLC. (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. The delineation soil sample locations are depicted on Figure 2. Field screening results and observations for the potholes were logged on lithologic/soil sampling logs, which are included in Attachment 2.

Based on elevated chloride field screenings above the Closure Criteria from delineation soil sampling activities, excavation appeared warranted.

To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a calibrated PID and Hach® chloride QuanTab® test strips, respectively. Following removal of impacted soil, WSP collected 5-point composite soil samples at least every 200 square feet from the sidewalls and floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples SW01 through SW06 were collected from the sidewalls of the excavation at depths ranging from the ground surface to approximately 4 feet bgs. Composite soil samples FS01 through FS10, FS07A, and FS08A were collected from the floor of the excavation at depths ranging from approximately 1-foot bgs to 4.5 feet bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3. Photographic documentation is included in Attachment 3.

A total of approximately 165 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and disposed at the R360 Facility in Hobbs, New Mexico under WPX approved manifests.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results associated with final excavation confirmation samples indicate compliance with the Closure Criteria and/or the reclamation standard. Laboratory analytical results for the delineation soil samples collected from potholes PH03 through PH09 indicate

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immediate horizontal definition of the subject release. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 4.

CLOSURE REQUEST

Site assessment, delineation and excavation activities were conducted to address the release of produced water at the Site. Laboratory analytical results for excavation soil samples, collected from the final excavation extent on the well pad and well pad boundary (FS01, FS02, SW05 and SW06), 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 (SW01 through SW04 and FS03 through FS10) were compliant with the reclamation criteria. Based on the soil sample analytical results, no further remediation was required. Initial response efforts, which included recovery of standing fluids and the follow-up excavation of residual impacted soil has mitigated impacts at this Site. As such, WPX requests NFA for Incident Number nAPP2110942033.

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.

A handwritten signature in black ink, appearing to read 'Fatima Smith'.

Fatima Smith
Associate Consultant, Geologist

A handwritten signature in black ink, appearing to read 'Daniel R. Moir'.

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



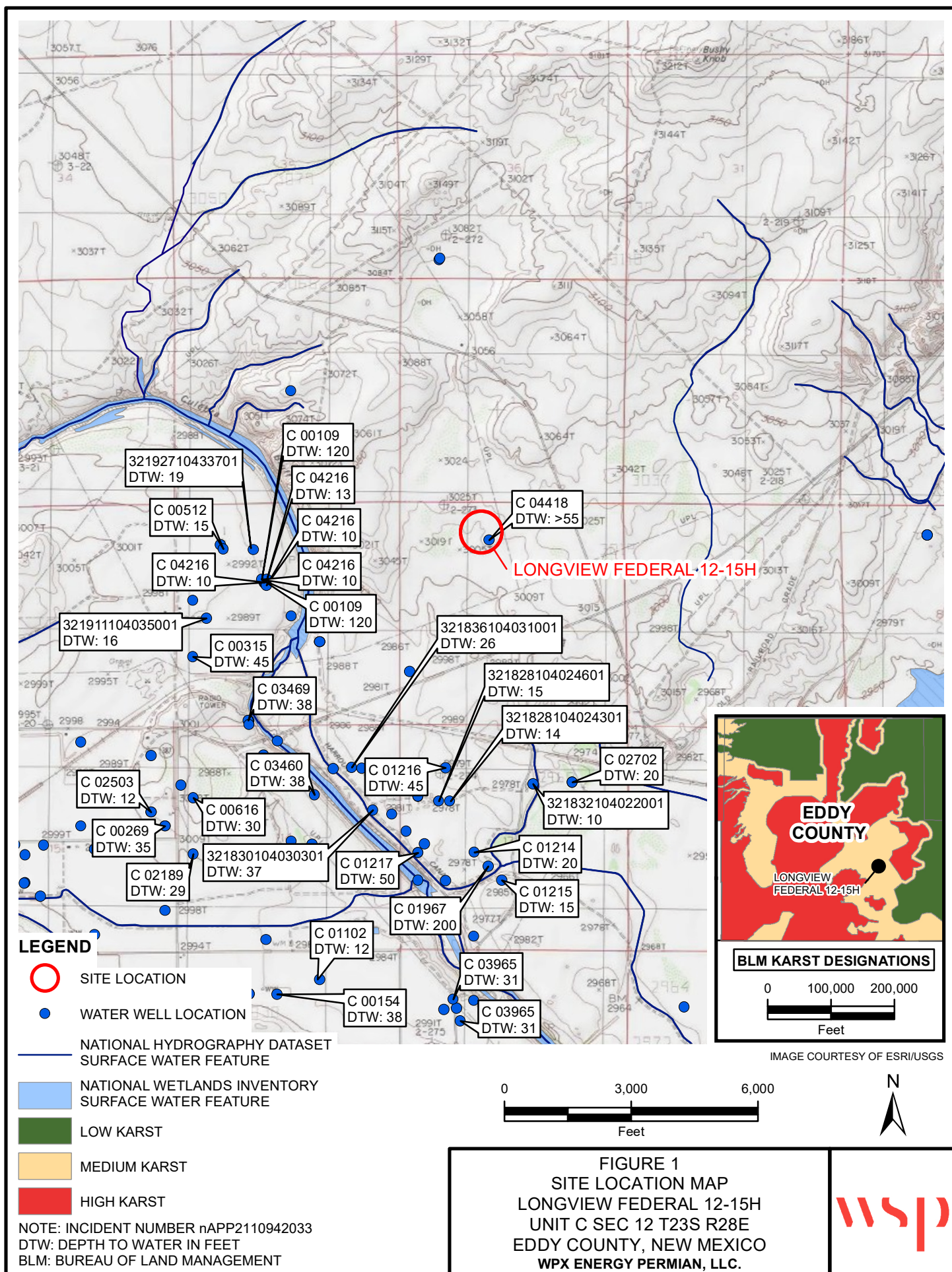
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cc: Lynda Laumbach, Devon Energy
Bureau of Land Management

Attachments:

Figure 1 Site Location Map
Figure 2 Delineation Soil Sample Locations
Figure 3 Excavation Soil Sample Locations
Table 1 Soil Analytical Results
Attachment 1 Referenced Well Record
Attachment 2 Lithologic\Soil Sampling Log
Attachment 3 Photographic Log
Attachment 4 Laboratory Analytical Reports

FIGURES



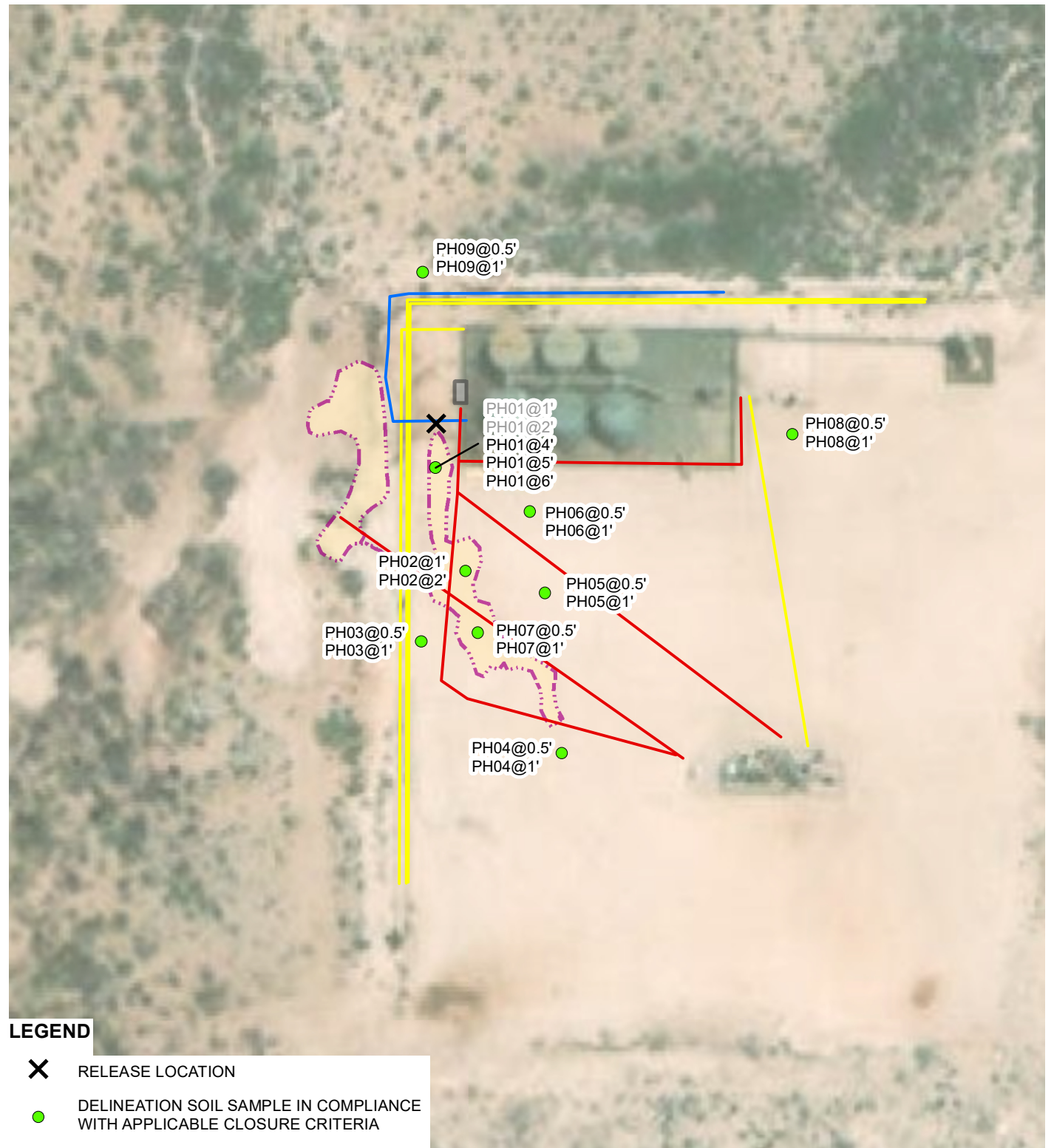


IMAGE COURTESY OF ESRI

LEGEND

RELEASE LOCATION

DELINEATION SOIL SAMPLE IN COMPLIANCE
WITH APPLICABLE CLOSURE CRITERIA

ELECTRIC LINE



GAS LINE



WATER LINE



INFRASTRUCTURE



RELEASE EXTENT

TEXT: INDICATES SOIL REPRESENTED BY SAMPLE
THAT WAS REMOVED

NOTE: INCIDENT NUMBER nAPP2110942033

SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

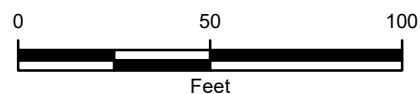


FIGURE 2
DELINEATION SOIL SAMPLE LOCATIONS
 LONGVIEW FEDERAL 12-15H
 UNIT C SEC 12 T23S R28E
 EDDY COUNTY, NEW MEXICO
WPX ENERGY PERMIAN, LLC.



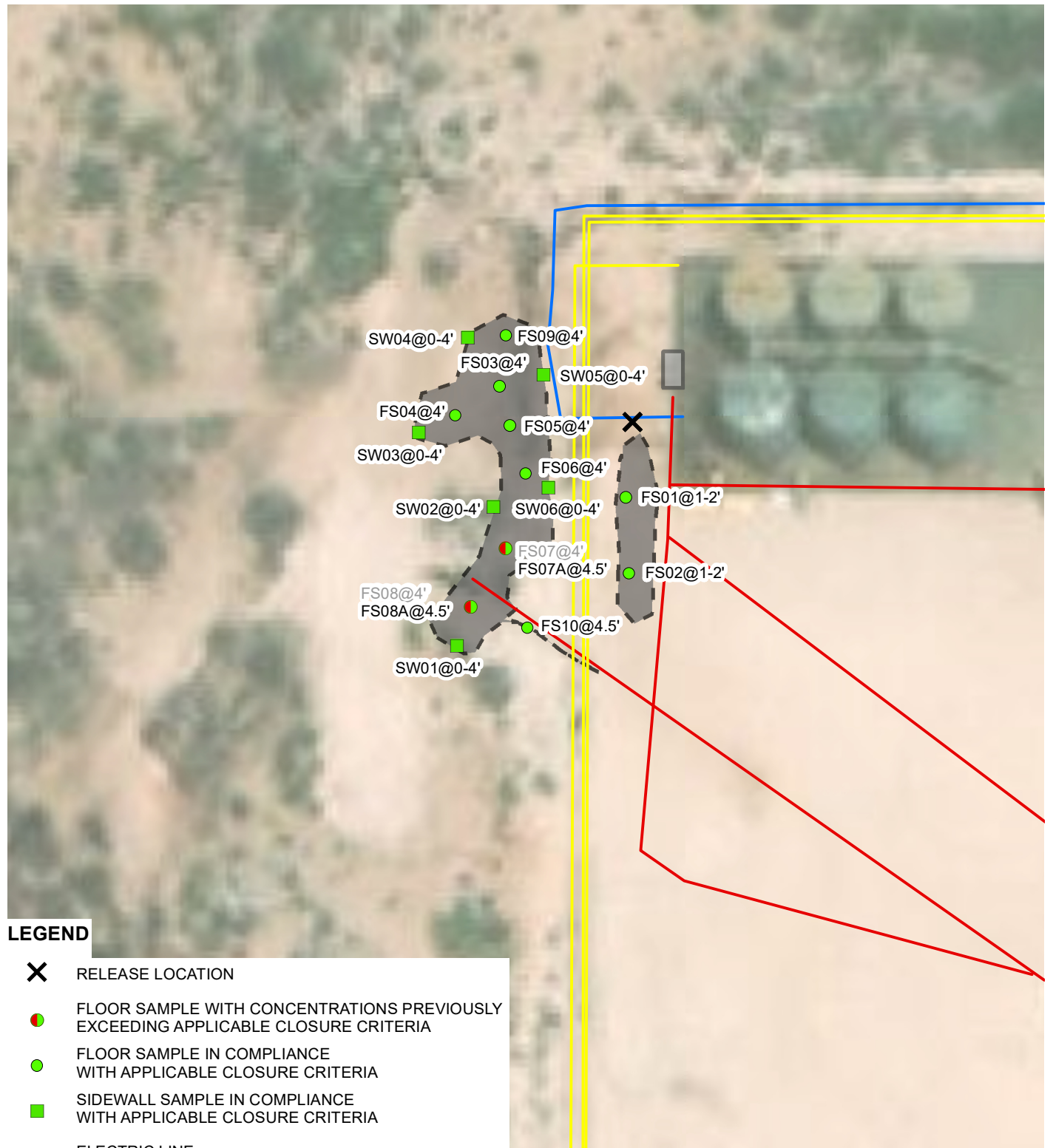


IMAGE COURTESY OF ESRI

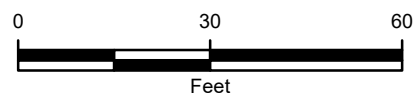


FIGURE 3
 EXCAVATION SOIL SAMPLE LOCATIONS
 LONGVIEW FEDERAL 12-15H
 UNIT C SEC 12 T23S R28E
 EDDY COUNTY, NEW MEXICO
 WPX ENERGY PERMIAN, LLC.



P:\WPX-Devon\GIS\MXD\034821014_LONGVIEW 12-15H\034821014_FIG03_EXCAVATION_2021_1.mxd

TABLES

Table 1

Soil Analytical Results
Longview Federal 12-15H
Incident Number nAPP2110942033
WPX Energy Permian, LLC.
Eddy County, New Mexico

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
Delineation Samples										
PH01	04/21/2021	1	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	7,190
PH01	04/21/2021	2	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	3,680
PH01	04/21/2021	4	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	1,180
PH01	04/21/2021	5	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	4,930
PH01	04/21/2021	6	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	580
PH02	04/21/2021	1	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	5,650
PH02	04/21/2021	2	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	59.0
PH03	04/21/2021	0.5	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	406
PH03	04/21/2021	1	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	212
PH04	04/21/2021	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	275
PH04	04/21/2021	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	11.3
PH05	04/21/2021	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	6.62
PH05	04/21/2021	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	103
PH06	04/21/2021	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	291
PH06	04/21/2021	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	139
PH07	04/21/2021	0.5	<0.00201	<0.00402	<50.1	<50.1	<50.1	<50.1	<50.1	102
PH07	04/21/2021	1	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	12.9
PH08	04/21/2021	0.5	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	79.8
PH08	04/21/2021	1	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	67.9

Table 1

Soil Analytical Results
Longview Federal 12-15H
Incident Number nAPP2110942033
WPX Energy Permian, LLC.
Eddy County, New Mexico

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
PH09	04/21/2021	0.5	<0.00199	<0.00398	<50.1	<50.1	<50.1	<50.1	<50.1	60.0
PH09	04/21/2021	1	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	192
Excavation Floor Samples										
FS01	04/22/2021	1 - 2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	3,450
FS02	04/22/2021	1 - 2	<0.00199	<0.00398	52.6	<49.9	<49.9	52.6	52.6	3,260
FS03	04/22/2021	4	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	3,870
FS04	04/22/2021	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	3,540
FS05	04/22/2021	4	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	3,630
FS06	04/22/2021	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	6,170
FS07	04/22/2021	4	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	10,100
FS07A	05/11/2021	4.5	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	2,130
FS08	04/22/2021	4	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	11,100
FS08A	05/11/2021	4.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	591
FS09	04/22/2021	4	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	2,620
FS10	05/11/2021	4.5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	589
Excavation Sidewall Samples										
SW01	04/21/2021	0 - 4	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	219
SW02	04/21/2021	0 - 4	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	315
SW03	04/21/2021	0 - 4	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	131

Table 1

Soil Analytical Results
Longview Federal 12-15H
Incident Number nAPP2110942033
WPX Energy Permian, LLC.
Eddy County, New Mexico

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
SW04	04/21/2021	0 - 4	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	16.2
SW05	04/21/2021	0 - 4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	2,870
SW06	04/21/2021	0 - 4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	7,150

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 in the top 4 feet of soil is 600 mg/kg for chloride and 100 mg/kg for TPH

ATTACHMENT 1: REFERENCED WELL RECORD



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD1		WELL TAG ID NO. Well Tag ID Not Issued		OSE FILE NO(S) C 04417			
	WELL OWNER NAME(S) WPX Energy				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Drive				CITY Carlsbad	STATE NM	ZIP 88220	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 20	SECONDS 35.4 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
LONGITUDE -104 02 47.1 W DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE M-36-22S-28E; Pinnacle State #25								
2. DRILLING & CASING INFORMATION	LICENSE NO 1789		NAME OF LICENSED DRILLER Mark Mumby			NAME OF WELL DRILLING COMPANY HRL Compliance Solutions		
	DRILLING STARTED 3/31/2020		DRILLING ENDED 3/31/2020		DEPTH OF COMPLETED WELL (FT) 55	BORE HOLE DEPTH (FT) 55	DEPTH WATER FIRST ENCOUNTERED (FT) Water was not encountered	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) Water was not present in the well after 48-hours		
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	45	6.25	Blank PVC	Flush Thread	2.0	0.154	0.010
	45	55	6.25	Factory Slotted PVC Screen	Flush Thread	2.0	0.154	0.010
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
				No Annular Seal Material or Gravel Pack	None			

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	C-4417	POD NO.	1	TRN NO.	670394
LOCATION	334 T22S R28E Sec 36	WELL TAG ID NO.	NA	PAGE 1 OF 2	

4. HYDROGEOLOGIC LOG OF WELL

5. TEST; RIG SUPERVISION

6. SIGNATURE

FOR USE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	C-4417	POD NO.	1
LOCATION	334 T22.5 R28 E S. 36	TRN NO.	670344
		WELL TAG ID NO.	NA
			PAGE 2 OF 2

John R. D Antonio, Jr., P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 670344
File Nbr: C 04417
Well File Nbr: C 04417 POD1

May. 29, 2020

LYNDA LAUMBACH
WPX ENERGY
5315 BUENA VISTA DRIVE
CARLSBAD, NM 88220

Greetings:

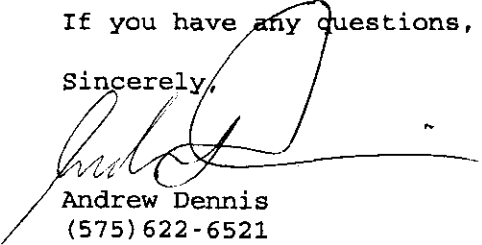
The above numbered permit was issued in your name on 03/26/2020.

The Well Record was received in this office on 05/26/2020, stating that it had been completed on 03/31/2020, and was a dry well. The well is to be plugged according to 19.27.4.30 NMAC.

Please note that another well can be drilled under this permit if the well is completed and the well log filed on or before 03/26/2021.


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


Sincerely,



Andrew Dennis
(575) 622-6521


drywell


ATTACHMENT 2: LITHOLOGIC/SOIL SAMPLING LOG


 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220								BH or PH Name: PH01		Date: 04/21/2021	
								Site Name: Longview Federal 12-15H			
								RP or Incident Number nAPP2110942033			
								WSP Job Number: TE034821014			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: FS		Method: Backhoe	
Lat/Long: 32.325389, -104.04331				Field Screening: Hach chloride strips, PID				Hole Diameter: NA		Total Depth: 6 feet bgs	
Comments: All chloride field screenings include a 40% correction factor M-moist; D-dry; Y-yes; N-no											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks			
D			Y			0	GP	0-4' CALICHE GRAVEL, dry, tan-off white, poorly sorted, poorly consolidated, some dark brown staining, no odor			
D	12,661	0.0	N	PH01	1	1					
D	3,477	0.0	N	PH01	2	2					
						3					
D	823	0.0	N	PH01	4	4	CCHE	4-6' CALICHE, dry, tan-off white, poorly consolidated, no stain, no odor			
D	2,783	0.4	N	PH01	5	5					
D	476	0.0	N	PH01	6	6					
TD @ 6 feet bgs											


 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220								BH or PH Name: PH02		Date: 04/21/2021	
								Site Name: Longview Federal 12-15H			
								RP or Incident Number nAPP2110942033			
								WSP Job Number: TE034821014			
LITHOLOGIC / SOIL SAMPLING LOG								Logged By: FS		Method: Backhoe	
Lat/Long: 32.325289, -104.043276				Field Screening: Hach chloride strips, PID				Hole Diameter: NA		Total Depth: 2 feet bgs	
Comments: All chloride field screenings include a 40% correction factor M-moist; D-dry; Y-yes; N-no											
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks			
D			Y			0	GP	0-2' CALICHE GRAVEL, dry, tan-off white, poorly sorted, poorly consolidated, some dark brown staining, no odor			
D	5,129	0.0	N	PH02	1	1					
D	380	0.0	N	PH02	2	2					
TD @ 2 feet bgs											


 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220					BH or PH Name: PH03		Date: 04/21/2021	
					Site Name: Longview Federal 12-15H			
					RP or Incident Number nAPP2110942033			
					WSP Job Number: TE034821014			
LITHOLOGIC / SOIL SAMPLING LOG								
Lat/Long: 32.325221, -104.043327			Field Screening: Hach chloride strips, PID		Logged By: FS		Method: Backhoe	
					Hole Diameter: NA		Total Depth: 1 foot bgs	
Comments: All chloride field screenings include a 40% correction factor M-moist; D-dry; Y-yes; N-no								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D			N			0	CCHE	0-1' CALICHE, dry, tan-off white, poorly consolidated, no stain, no odor
D	<184	0.0	N	PH03	0.5			
D	<184	0.0	N	PH03	1	1		
TD @ 1 foot bgs								


 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220					BH or PH Name: PH04		Date: 04/21/2021	
					Site Name: Longview Federal 12-15H			
					RP or Incident Number nAPP2110942033			
					WSP Job Number: TE034821014			
LITHOLOGIC / SOIL SAMPLING LOG								
Lat/Long: 32.325119, -104.04317			Field Screening: Hach chloride strips, PID		Logged By: FS		Method: Backhoe	
					Hole Diameter: NA		Total Depth: 1 foot bgs	
Comments: All chloride field screenings include a 40% correction factor M-moist; D-dry; Y-yes; N-no								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D			N			0	CCHE	0-1' CALICHE, dry, tan-off white, poorly consolidated, no stain, no odor
D	<184	0.0	N	PH04	0.5			
D	<184	0.0	N	PH04	1	1		
TD @ 1 foot bgs								

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220					BH or PH Name: PH05		Date: 04/21/2021		
					Site Name: Longview Federal 12-15H				
					RP or Incident Number nAPP2110942033				
					WSP Job Number: TE034821014				
LITHOLOGIC / SOIL SAMPLING LOG									
Lat/Long: 32.325268, -104.043185				Field Screening: Hach chloride strips, PID		Logged By: FS		Method: Backhoe	
						Hole Diameter: NA		Total Depth: 1 foot bgs	
Comments: All chloride field screenings include a 40% correction factor M-moist; D-dry; Y-yes; N-no									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks	
D			N			0	CCHE	0-1' CALICHE, dry, tan-off white, poorly consolidated, no stain, no odor	
D	<184	0.0	N	PH05	0.5				
D	<156	0.0	N	PH05	1	1			
TD @ 1 foot bgs									

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220					BH or PH Name: PH06		Date: 04/21/2021	
					Site Name: Longview Federal 12-15H			
					RP or Incident Number nAPP2110942033			
					WSP Job Number: TE034821014			
LITHOLOGIC / SOIL SAMPLING LOG								
Lat/Long: 32.325347, -104.043202			Field Screening: Hach chloride strips, PID		Logged By: FS		Method: Backhoe	
					Hole Diameter: NA		Total Depth: 1 foot bgs	
Comments: All chloride field screenings include a 40% correction factor M-moist; D-dry; Y-yes; N-no								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D			N			0	CCHE	0-1' CALICHE, dry, tan-off white, poorly consolidated, no stain, no odor
D	313	0.0	N	PH06	0.5			
D	<156	0.0	N	PH06	1	1		
TD @ 1 foot bgs								

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220					BH or PH Name: PH07		Date: 04/21/2021	
					Site Name: Longview Federal 12-15H			
					RP or Incident Number nAPP2110942033			
					WSP Job Number: TE034821014			
LITHOLOGIC / SOIL SAMPLING LOG								
Lat/Long: 32.325229, -104.043262			Field Screening: Hach chloride strips, PID		Logged By: FS		Method: Backhoe	
					Hole Diameter: NA		Total Depth: 1 foot bgs	
Comments: All chloride field screenings include a 40% correction factor M-moist; D-dry; Y-yes; N-no								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D			N			0	CCHE	0-1' CALICHE, dry, tan-off white, poorly consolidated, no stain, no odor
D	<156	0.1	N	PH07	0.5			
D	<156	0.0	N	PH07	1	1		
TD @ 1 foot bgs								

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220					BH or PH Name: PH08		Date: 04/21/2021	
					Site Name: Longview Federal 12-15H			
					RP or Incident Number nAPP2110942033			
					WSP Job Number: TE034821014			
LITHOLOGIC / SOIL SAMPLING LOG								
Lat/Long: 32.32542, -104.042902			Field Screening: Hach chloride strips, PID		Logged By: FS		Method: Backhoe	
					Hole Diameter: NA		Total Depth: 1 foot bgs	
Comments: All chloride field screenings include a 40% correction factor M-moist; D-dry; Y-yes; N-no								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D			N			0	CCHE	0-1' CALICHE, dry, tan-off white, poorly consolidated, no stain, no odor
D	<156	0.1	N	PH08	0.5			
D	<156	0.0	N	PH08	1	1		
TD @ 1 foot bgs								

 WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220					BH or PH Name: PH09		Date: 04/21/2021		
					Site Name: Longview Federal 12-15H				
					RP or Incident Number nAPP2110942033				
					WSP Job Number: TE034821014				
LITHOLOGIC / SOIL SAMPLING LOG									
Lat/Long: 32.325578, -104.043323				Field Screening: Hach chloride strips, PID		Logged By: FS		Method: Backhoe	
						Hole Diameter: NA		Total Depth: 1 foot bgs	
Comments: All chloride field screenings include a 40% correction factor M-moist; D-dry; Y-yes; N-no									
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks	
D			N			0	GP	0-0.5' CALICHE GRAVEL, dry, tan-of white, poorly sorted, poorly consolidated, no stain, no odor	
D	<156	0.1	N	PH09	0.5				
D	<156	0.0	N	PH09	1	1	SP	1' SAND, dry, brown-dark brown, poorly sorted, fine-very fine grain no stain, no odor	
TD @ 1 foot bgs									

ATTACHMENT 3: PHOTOGRAPHIC LOG

**PHOTOGRAPHIC LOG**

WPX Energy Permian, LLC.	Longview Federal 12-15H Eddy County, NM	TE034821014
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Photo No.	Date	
1	April 21, 2021	
View of pothole (PH01) during delineation activities facing north-northeast		 A photograph showing a large, deep pothole (PH01) in a dirt area. An excavator is visible in the background, and a large storage tank is also present. The sky is blue with some clouds.

Photo No.	Date	
2	April 22, 2021	
Final on pad excavation facing south		 A photograph showing a long, deep excavation trench in a dirt area. A white pickup truck is parked in the background. The sky is blue with some clouds.

**PHOTOGRAPHIC LOG**

WPX Energy Permian, LLC.	Longview Federal 12-15H Eddy County, NM	TE034821014
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Photo No.	Date	
3	May 7, 2021	
Final on pad excavation facing north		 A photograph showing a deep, narrow excavation trench in a dry, brownish soil. The trench runs horizontally across the frame. In the background, there are utility poles and a large yellow storage tank. A person wearing a white hard hat and a light-colored shirt is standing near the tank on the right side of the image.

Photo No.	Date	
4	May 7, 2021	
Pasture facing northeast during excavation activities.		 A photograph showing a deep, narrow excavation trench in a dry, brownish soil. The trench runs horizontally across the frame. In the background, there are utility poles and a large yellow storage tank. A person wearing a white hard hat and a light-colored shirt is standing near the tank on the right side of the image.

ATTACHMENT 4: LABORATORY ANALYTICAL REPORTS



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-567-1

Laboratory Sample Delivery Group: TE034821014

Client Project/Site: Longview 12-15

Revision: 2

For:

WSP USA Inc.
2777 N. Stemmons Freeway
Suite 1600
Dallas, Texas 75207

Attn: Joseph Hernandez

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

Authorized for release by:
5/10/2021 3:43:02 PM

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

LINKS

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results through

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www.eurofinsus.com/Env

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

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

Client: WSP USA Inc.
Project/Site: Longview 12-15

Laboratory Job ID: 890-567-1
SDG: TE034821014

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Eurofins Xenco, Carlsbad

Case Narrative

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Job ID: 890-567-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-567-1

Receipt

The samples were received on 4/23/2021 10:07 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: PH01 (890-567-1), PH01 (890-567-2), PH01 (890-567-3), PH01 (890-567-4), PH01 (890-567-5), PH02 (890-567-6), PH02 (890-567-7), PH03 (890-567-8), PH03 (890-567-9), PH04 (890-567-10), PH04 (890-567-11), PH05 (890-567-12), PH05 (890-567-13), PH06 (890-567-14), PH06 (890-567-15), PH07 (890-567-16), PH07 (890-567-17), PH08 (890-567-18), PH08 (890-567-19), PH09 (890-567-20), PH09 (890-567-21), FS02 (890-567-22), SW01 (890-567-23), SW02 (890-567-24), SW03 (890-567-25), SW04 (890-567-26), FS01 (890-567-27), FS03 (890-567-28), FS04 (890-567-29), FS05 (890-567-30), FS06 (890-567-31), FS07 (890-567-32), FS08 (890-567-33), FS09 (890-567-34), SW05 (890-567-35) and SW06 (890-567-36).

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-2338 and analytical batch 880-2315 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA

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

HPLC/IC

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH01

Lab Sample ID: 890-567-1

Date Collected: 04/21/21 08:26

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/26/21 08:44	04/26/21 21:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/21 08:44	04/26/21 21:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/21 08:44	04/26/21 21:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 08:44	04/26/21 21:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 08:44	04/26/21 21:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 08:44	04/26/21 21:03	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/26/21 08:44	04/26/21 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	04/26/21 08:44	04/26/21 21:03	1
1,4-Difluorobenzene (Surr)	111		70 - 130	04/26/21 08:44	04/26/21 21:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		04/26/21 11:10	04/26/21 19:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 19:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 19:06	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	04/26/21 11:10	04/26/21 19:06	1
o-Terphenyl	112		70 - 130	04/26/21 11:10	04/26/21 19:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7190		49.5		mg/Kg			04/28/21 13:59	10

Client Sample ID: PH01

Lab Sample ID: 890-567-2

Date Collected: 04/21/21 08:28

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 04:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 04:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 04:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 04:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 04:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 04:30	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/26/21 10:30	04/27/21 04:30	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/26/21 10:30	04/27/21 04:30	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH01

Lab Sample ID: 890-567-2

Date Collected: 04/21/21 08:28

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 2

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 20:10	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 20:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 20:10	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 20:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	04/26/21 11:10	04/26/21 20:10	1
o-Terphenyl	116		70 - 130	04/26/21 11:10	04/26/21 20:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3680		24.8		mg/Kg			04/28/21 13:53	5

Client Sample ID: PH01

Lab Sample ID: 890-567-3

Date Collected: 04/21/21 08:40

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 04:50	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 04:50	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 04:50	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 04:50	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 04:50	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 04:50	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 04:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/26/21 10:30	04/27/21 04:50	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/26/21 10:30	04/27/21 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/26/21 11:10	04/26/21 20:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/26/21 11:10	04/26/21 20:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/26/21 11:10	04/26/21 20:31	1
Total TPH	<49.8	U	49.8		mg/Kg		04/26/21 11:10	04/26/21 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	04/26/21 11:10	04/26/21 20:31	1
o-Terphenyl	111		70 - 130	04/26/21 11:10	04/26/21 20:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1180		5.04		mg/Kg			04/28/21 14:20	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH01

Lab Sample ID: 890-567-4

Date Collected: 04/21/21 08:55

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/26/21 10:30	04/27/21 05:11	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 10:30	04/27/21 05:11	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 10:30	04/27/21 05:11	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		04/26/21 10:30	04/27/21 05:11	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 10:30	04/27/21 05:11	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		04/26/21 10:30	04/27/21 05:11	1
Total BTEX	<0.00396	U	0.00396		mg/Kg		04/26/21 10:30	04/27/21 05:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/26/21 10:30	04/27/21 05:11	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/26/21 10:30	04/27/21 05:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 20:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 20:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 20:52	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	04/26/21 11:10	04/26/21 20:52	1
o-Terphenyl	112		70 - 130	04/26/21 11:10	04/26/21 20:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4930		24.9		mg/Kg			04/28/21 14:26	5

Client Sample ID: PH01

Lab Sample ID: 890-567-5

Date Collected: 04/21/21 09:06

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 05:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 05:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 05:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/21 10:30	04/27/21 05:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 05:31	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/21 10:30	04/27/21 05:31	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/26/21 10:30	04/27/21 05:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/26/21 10:30	04/27/21 05:31	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/26/21 10:30	04/27/21 05:31	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH01

Lab Sample ID: 890-567-5

Date Collected: 04/21/21 09:06

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 21:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 21:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 21:14	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	04/26/21 11:10	04/26/21 21:14	1
o-Terphenyl	113		70 - 130	04/26/21 11:10	04/26/21 21:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	580		5.00		mg/Kg			05/03/21 17:42	1

Client Sample ID: PH02

Lab Sample ID: 890-567-6

Date Collected: 04/21/21 09:29

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 05:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 05:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 05:52	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/26/21 10:30	04/27/21 05:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 05:52	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/26/21 10:30	04/27/21 05:52	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/26/21 10:30	04/27/21 05:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/26/21 10:30	04/27/21 05:52	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/26/21 10:30	04/27/21 05:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 21:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 21:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 21:35	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	04/26/21 11:10	04/26/21 21:35	1
o-Terphenyl	118		70 - 130	04/26/21 11:10	04/26/21 21:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5650		25.0		mg/Kg			04/28/21 14:36	5

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH02

Lab Sample ID: 890-567-7

Date Collected: 04/21/21 09:32

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 06:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 06:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 06:12	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		04/26/21 10:30	04/27/21 06:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 06:12	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		04/26/21 10:30	04/27/21 06:12	1
Total BTEX	<0.00403	U	0.00403		mg/Kg		04/26/21 10:30	04/27/21 06:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/26/21 10:30	04/27/21 06:12	1
1,4-Difluorobenzene (Surr)	106		70 - 130	04/26/21 10:30	04/27/21 06:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 21:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 21:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 21:56	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	04/26/21 11:10	04/26/21 21:56	1
o-Terphenyl	118		70 - 130	04/26/21 11:10	04/26/21 21:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.0		4.95		mg/Kg			04/28/21 14:53	1

Client Sample ID: PH03

Lab Sample ID: 890-567-8

Date Collected: 04/21/21 09:50

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 06:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 06:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 06:32	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/21 10:30	04/27/21 06:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 06:32	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/21 10:30	04/27/21 06:32	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/26/21 10:30	04/27/21 06:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/26/21 10:30	04/27/21 06:32	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/26/21 10:30	04/27/21 06:32	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH03

Lab Sample ID: 890-567-8

Date Collected: 04/21/21 09:50

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 22:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 22:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 22:17	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 22:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	04/26/21 11:10	04/26/21 22:17	1
o-Terphenyl	115		70 - 130	04/26/21 11:10	04/26/21 22:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	406		4.98		mg/Kg			04/28/21 14:58	1

Client Sample ID: PH03

Lab Sample ID: 890-567-9

Date Collected: 04/21/21 09:53

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 06:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 06:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 06:53	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/21 10:30	04/27/21 06:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 06:53	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/21 10:30	04/27/21 06:53	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/26/21 10:30	04/27/21 06:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/26/21 10:30	04/27/21 06:53	1
1,4-Difluorobenzene (Surr)	106		70 - 130	04/26/21 10:30	04/27/21 06:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 22:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 22:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 22:38	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 22:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	04/26/21 11:10	04/26/21 22:38	1
o-Terphenyl	116		70 - 130	04/26/21 11:10	04/26/21 22:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	212		5.00		mg/Kg			05/03/21 17:47	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH04

Lab Sample ID: 890-567-10

Date Collected: 04/21/21 09:58

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/26/21 10:30	04/27/21 07:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/21 10:30	04/27/21 07:13	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/21 10:30	04/27/21 07:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 10:30	04/27/21 07:13	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 10:30	04/27/21 07:13	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 10:30	04/27/21 07:13	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/26/21 10:30	04/27/21 07:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	04/26/21 10:30	04/27/21 07:13	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/26/21 10:30	04/27/21 07:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 23:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 23:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 23:00	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	04/26/21 11:10	04/26/21 23:00	1
o-Terphenyl	112		70 - 130	04/26/21 11:10	04/26/21 23:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	275		4.99		mg/Kg			04/28/21 15:19	1

Client Sample ID: PH04

Lab Sample ID: 890-567-11

Date Collected: 04/21/21 10:00

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 07:34	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 07:34	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 07:34	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 07:34	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 07:34	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 07:34	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 07:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	04/26/21 10:30	04/27/21 07:34	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/26/21 10:30	04/27/21 07:34	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH04

Lab Sample ID: 890-567-11

Date Collected: 04/21/21 10:00

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 23:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 23:42	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 23:42	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/26/21 23:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	04/26/21 11:10	04/26/21 23:42	1
o-Terphenyl	116		70 - 130	04/26/21 11:10	04/26/21 23:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.3		4.98		mg/Kg			04/28/21 15:25	1

Client Sample ID: PH05

Lab Sample ID: 890-567-12

Date Collected: 04/21/21 10:07

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 10:05	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 10:05	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 10:05	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 10:05	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 10:05	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 10:05	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 10:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	04/26/21 10:30	04/27/21 10:05	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/26/21 10:30	04/27/21 10:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/27/21 00:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/27/21 00:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/27/21 00:03	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/27/21 00:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	04/26/21 11:10	04/27/21 00:03	1
o-Terphenyl	116		70 - 130	04/26/21 11:10	04/27/21 00:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.62		4.96		mg/Kg			04/28/21 15:30	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH05

Lab Sample ID: 890-567-13

Date Collected: 04/21/21 10:08

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 10:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 10:25	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 10:25	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 10:25	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 10:25	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 10:25	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 10:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	04/26/21 10:30	04/27/21 10:25	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/26/21 10:30	04/27/21 10:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/27/21 00:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/27/21 00:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/27/21 00:24	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/27/21 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/26/21 11:10	04/27/21 00:24	1
o-Terphenyl	110		70 - 130	04/26/21 11:10	04/27/21 00:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	103		4.98		mg/Kg			05/06/21 17:00	1

Client Sample ID: PH06

Lab Sample ID: 890-567-14

Date Collected: 04/21/21 10:12

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/26/21 10:30	04/27/21 10:46	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/21 10:30	04/27/21 10:46	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/21 10:30	04/27/21 10:46	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 10:30	04/27/21 10:46	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 10:30	04/27/21 10:46	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 10:30	04/27/21 10:46	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/26/21 10:30	04/27/21 10:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	04/26/21 10:30	04/27/21 10:46	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/26/21 10:30	04/27/21 10:46	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH06

Lab Sample ID: 890-567-14

Date Collected: 04/21/21 10:12

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/27/21 00:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/27/21 00:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/27/21 00:45	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/27/21 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	04/26/21 11:10	04/27/21 00:45	1
o-Terphenyl	118		70 - 130	04/26/21 11:10	04/27/21 00:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	291		5.02		mg/Kg			05/03/21 17:53	1

Client Sample ID: PH06

Lab Sample ID: 890-567-15

Date Collected: 04/21/21 10:20

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 11:06	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 11:06	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 11:06	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 11:06	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 11:06	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 11:06	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 11:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/26/21 10:30	04/27/21 11:06	1
1,4-Difluorobenzene (Surr)	106		70 - 130	04/26/21 10:30	04/27/21 11:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/27/21 01:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/27/21 01:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/27/21 01:06	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 11:10	04/27/21 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	04/26/21 11:10	04/27/21 01:06	1
o-Terphenyl	119		70 - 130	04/26/21 11:10	04/27/21 01:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		4.98		mg/Kg			05/03/21 17:58	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH07

Lab Sample ID: 890-567-16

Date Collected: 04/21/21 10:25

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		04/26/21 10:30	04/27/21 11:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		04/26/21 10:30	04/27/21 11:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		04/26/21 10:30	04/27/21 11:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		04/26/21 10:30	04/27/21 11:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		04/26/21 10:30	04/27/21 11:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		04/26/21 10:30	04/27/21 11:26	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		04/26/21 10:30	04/27/21 11:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/26/21 10:30	04/27/21 11:26	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/26/21 10:30	04/27/21 11:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/26/21 11:10	04/27/21 01:26	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/26/21 11:10	04/27/21 01:26	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/26/21 11:10	04/27/21 01:26	1
Total TPH	<50.1	U	50.1		mg/Kg		04/26/21 11:10	04/27/21 01:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	04/26/21 11:10	04/27/21 01:26	1
o-Terphenyl	119		70 - 130	04/26/21 11:10	04/27/21 01:26	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	102	F1	5.04		mg/Kg			04/28/21 18:43	1

Client Sample ID: PH07

Lab Sample ID: 890-567-17

Date Collected: 04/21/21 10:28

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 11:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 11:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 11:47	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		04/26/21 10:30	04/27/21 11:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 11:47	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		04/26/21 10:30	04/27/21 11:47	1
Total BTEX	<0.00401	U	0.00401		mg/Kg		04/26/21 10:30	04/27/21 11:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/26/21 10:30	04/27/21 11:47	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/26/21 10:30	04/27/21 11:47	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH07

Lab Sample ID: 890-567-17

Date Collected: 04/21/21 10:28

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/27/21 01:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/27/21 01:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/27/21 01:47	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/27/21 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	04/26/21 11:10	04/27/21 01:47	1
o-Terphenyl	115		70 - 130	04/26/21 11:10	04/27/21 01:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.9		4.98		mg/Kg			04/28/21 22:24	1

Client Sample ID: PH08

Lab Sample ID: 890-567-18

Date Collected: 04/21/21 10:32

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 12:07	1
Toluene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 12:07	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 12:07	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		04/26/21 10:30	04/27/21 12:07	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		04/26/21 10:30	04/27/21 12:07	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		04/26/21 10:30	04/27/21 12:07	1
Total BTEX	<0.00404	U	0.00404		mg/Kg		04/26/21 10:30	04/27/21 12:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/26/21 10:30	04/27/21 12:07	1
1,4-Difluorobenzene (Surr)	110		70 - 130	04/26/21 10:30	04/27/21 12:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/21 11:11	04/27/21 02:08	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 11:11	04/27/21 02:08	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 11:11	04/27/21 02:08	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 11:11	04/27/21 02:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	04/26/21 11:11	04/27/21 02:08	1
o-Terphenyl	113		70 - 130	04/26/21 11:11	04/27/21 02:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.8		4.97		mg/Kg			04/28/21 19:04	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH08

Lab Sample ID: 890-567-19

Date Collected: 04/21/21 10:34

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 12:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 12:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 12:28	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		04/26/21 10:30	04/27/21 12:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 12:28	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		04/26/21 10:30	04/27/21 12:28	1
Total BTEX	<0.00399	U	0.00399		mg/Kg		04/26/21 10:30	04/27/21 12:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/26/21 10:30	04/27/21 12:28	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/26/21 10:30	04/27/21 12:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 11:11	04/27/21 02:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 11:11	04/27/21 02:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 11:11	04/27/21 02:29	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 11:11	04/27/21 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130	04/26/21 11:11	04/27/21 02:29	1
o-Terphenyl	119		70 - 130	04/26/21 11:11	04/27/21 02:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.9		5.00		mg/Kg			04/28/21 19:09	1

Client Sample ID: PH09

Lab Sample ID: 890-567-20

Date Collected: 04/21/21 10:45

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 12:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 12:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 12:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 12:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		04/26/21 10:30	04/27/21 12:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 12:48	1
Total BTEX	<0.00398	U	0.00398		mg/Kg		04/26/21 10:30	04/27/21 12:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	04/26/21 10:30	04/27/21 12:48	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/26/21 10:30	04/27/21 12:48	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH09

Lab Sample ID: 890-567-20

Date Collected: 04/21/21 10:45

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		04/26/21 11:11	04/27/21 02:50	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		04/26/21 11:11	04/27/21 02:50	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		04/26/21 11:11	04/27/21 02:50	1
Total TPH	<50.1	U	50.1		mg/Kg		04/26/21 11:11	04/27/21 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	04/26/21 11:11	04/27/21 02:50	1
o-Terphenyl	120		70 - 130	04/26/21 11:11	04/27/21 02:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.0		4.99		mg/Kg			04/28/21 19:14	1

Client Sample ID: PH09

Lab Sample ID: 890-567-21

Date Collected: 04/21/21 10:47

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		04/26/21 10:30	04/27/21 13:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		04/26/21 10:30	04/27/21 13:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		04/26/21 10:30	04/27/21 13:09	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		04/26/21 10:30	04/27/21 13:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		04/26/21 10:30	04/27/21 13:09	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		04/26/21 10:30	04/27/21 13:09	1
Total BTEX	<0.00397	U	0.00397		mg/Kg		04/26/21 10:30	04/27/21 13:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/26/21 10:30	04/27/21 13:09	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/26/21 10:30	04/27/21 13:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	49.9		mg/Kg		04/26/21 13:23	04/26/21 19:06	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 19:06	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 19:06	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	04/26/21 13:23	04/26/21 19:06	1
o-Terphenyl	105		70 - 130	04/26/21 13:23	04/26/21 19:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	192		4.99		mg/Kg			04/28/21 19:30	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: FS02

Lab Sample ID: 890-567-22

Date Collected: 04/21/21 14:56

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: 1 - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 01:06	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 01:06	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 01:06	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		04/26/21 15:48	04/27/21 01:06	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 01:06	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		04/26/21 15:48	04/27/21 01:06	1
Total BTEX	<0.00398	U *- *1	0.00398		mg/Kg		04/26/21 15:48	04/27/21 01:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	04/26/21 15:48	04/27/21 01:06	1
1,4-Difluorobenzene (Surr)	97		70 - 130	04/26/21 15:48	04/27/21 01:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 20:10	1
Diesel Range Organics (Over C10-C28)	52.6		49.9		mg/Kg		04/26/21 13:23	04/26/21 20:10	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 20:10	1
Total TPH	52.6		49.9		mg/Kg		04/26/21 13:23	04/26/21 20:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	04/26/21 13:23	04/26/21 20:10	1
o-Terphenyl	105		70 - 130	04/26/21 13:23	04/26/21 20:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3260		25.0		mg/Kg			04/28/21 19:35	5

Client Sample ID: SW01

Lab Sample ID: 890-567-23

Date Collected: 04/21/21 16:14

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: 0 - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 01:27	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 01:27	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 01:27	1
m-Xylene & p-Xylene	<0.00400	U *- *1	0.00400		mg/Kg		04/26/21 15:48	04/27/21 01:27	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 01:27	1
Xylenes, Total	<0.00400	U *- *1	0.00400		mg/Kg		04/26/21 15:48	04/27/21 01:27	1
Total BTEX	<0.00400	U *- *1	0.00400		mg/Kg		04/26/21 15:48	04/27/21 01:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	04/26/21 15:48	04/27/21 01:27	1
1,4-Difluorobenzene (Surr)	99		70 - 130	04/26/21 15:48	04/27/21 01:27	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: SW01

Lab Sample ID: 890-567-23

Date Collected: 04/21/21 16:14

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: 0 - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		04/26/21 13:23	04/26/21 20:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		04/26/21 13:23	04/26/21 20:31	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		04/26/21 13:23	04/26/21 20:31	1
Total TPH	<49.8	U	49.8		mg/Kg		04/26/21 13:23	04/26/21 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	04/26/21 13:23	04/26/21 20:31	1
o-Terphenyl	106		70 - 130	04/26/21 13:23	04/26/21 20:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	219		5.02		mg/Kg			04/28/21 19:40	1

Client Sample ID: SW02

Lab Sample ID: 890-567-24

Date Collected: 04/21/21 15:47

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: 0 - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 01:47	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 01:47	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 01:47	1
m-Xylene & p-Xylene	<0.00399	U *- *1	0.00399		mg/Kg		04/26/21 15:48	04/27/21 01:47	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 01:47	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		04/26/21 15:48	04/27/21 01:47	1
Total BTEX	<0.00399	U *- *1	0.00399		mg/Kg		04/26/21 15:48	04/27/21 01:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/26/21 15:48	04/27/21 01:47	1
1,4-Difluorobenzene (Surr)	117		70 - 130	04/26/21 15:48	04/27/21 01:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 20:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 20:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 20:52	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	04/26/21 13:23	04/26/21 20:52	1
o-Terphenyl	98		70 - 130	04/26/21 13:23	04/26/21 20:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	315		5.04		mg/Kg			04/28/21 19:45	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: SW03

Lab Sample ID: 890-567-25

Date Collected: 04/21/21 15:56

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: 0 - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 02:08	1
Toluene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 02:08	1
Ethylbenzene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 02:08	1
m-Xylene & p-Xylene	<0.00404	U *- *1	0.00404		mg/Kg		04/26/21 15:48	04/27/21 02:08	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 02:08	1
Xylenes, Total	<0.00404	U *- *1	0.00404		mg/Kg		04/26/21 15:48	04/27/21 02:08	1
Total BTEX	<0.00404	U *- *1	0.00404		mg/Kg		04/26/21 15:48	04/27/21 02:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/26/21 15:48	04/27/21 02:08	1
1,4-Difluorobenzene (Surr)	110		70 - 130	04/26/21 15:48	04/27/21 02:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 21:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 21:14	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 21:14	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	04/26/21 13:23	04/26/21 21:14	1
o-Terphenyl	108		70 - 130	04/26/21 13:23	04/26/21 21:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	131		5.05		mg/Kg			04/28/21 19:50	1

Client Sample ID: SW04

Lab Sample ID: 890-567-26

Date Collected: 04/21/21 16:03

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: 0 - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 02:28	1
Toluene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 02:28	1
Ethylbenzene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 02:28	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403		mg/Kg		04/26/21 15:48	04/27/21 02:28	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 02:28	1
Xylenes, Total	<0.00403	U *- *1	0.00403		mg/Kg		04/26/21 15:48	04/27/21 02:28	1
Total BTEX	<0.00403	U *- *1	0.00403		mg/Kg		04/26/21 15:48	04/27/21 02:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/26/21 15:48	04/27/21 02:28	1
1,4-Difluorobenzene (Surr)	95		70 - 130	04/26/21 15:48	04/27/21 02:28	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: SW04

Lab Sample ID: 890-567-26

Date Collected: 04/21/21 16:03

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: 0 - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 21:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 21:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 21:35	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	04/26/21 13:23	04/26/21 21:35	1
o-Terphenyl	102		70 - 130	04/26/21 13:23	04/26/21 21:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.2	F1	4.97		mg/Kg			04/28/21 19:55	1

Client Sample ID: FS01

Lab Sample ID: 890-567-27

Date Collected: 04/22/21 08:17

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: 1 - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 02:49	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 02:49	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 02:49	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		04/26/21 15:48	04/27/21 02:49	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 02:49	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		04/26/21 15:48	04/27/21 02:49	1
Total BTEX	<0.00398	U *- *1	0.00398		mg/Kg		04/26/21 15:48	04/27/21 02:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/26/21 15:48	04/27/21 02:49	1
1,4-Difluorobenzene (Surr)	107		70 - 130	04/26/21 15:48	04/27/21 02:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 21:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 21:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 21:56	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 21:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	04/26/21 13:23	04/26/21 21:56	1
o-Terphenyl	104		70 - 130	04/26/21 13:23	04/26/21 21:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3450		24.9		mg/Kg			04/28/21 20:11	5

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: FS03

Lab Sample ID: 890-567-28

Date Collected: 04/22/21 14:32

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 03:09	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 03:09	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 03:09	1
m-Xylene & p-Xylene	<0.00400	U *- *1	0.00400		mg/Kg		04/26/21 15:48	04/27/21 03:09	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 03:09	1
Xylenes, Total	<0.00400	U *- *1	0.00400		mg/Kg		04/26/21 15:48	04/27/21 03:09	1
Total BTEX	<0.00400	U *- *1	0.00400		mg/Kg		04/26/21 15:48	04/27/21 03:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/26/21 15:48	04/27/21 03:09	1
1,4-Difluorobenzene (Surr)	116		70 - 130	04/26/21 15:48	04/27/21 03:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 22:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 22:17	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 22:17	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 22:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	04/26/21 13:23	04/26/21 22:17	1
o-Terphenyl	98		70 - 130	04/26/21 13:23	04/26/21 22:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3870		24.8		mg/Kg			04/28/21 20:16	5

Client Sample ID: FS04

Lab Sample ID: 890-567-29

Date Collected: 04/22/21 14:55

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201		mg/Kg		04/26/21 15:48	04/27/21 03:30	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		04/26/21 15:48	04/27/21 03:30	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		04/26/21 15:48	04/27/21 03:30	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		04/26/21 15:48	04/27/21 03:30	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		04/26/21 15:48	04/27/21 03:30	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		04/26/21 15:48	04/27/21 03:30	1
Total BTEX	<0.00402	U *- *1	0.00402		mg/Kg		04/26/21 15:48	04/27/21 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	04/26/21 15:48	04/27/21 03:30	1
1,4-Difluorobenzene (Surr)	106		70 - 130	04/26/21 15:48	04/27/21 03:30	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: FS04

Lab Sample ID: 890-567-29

Date Collected: 04/22/21 14:55

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 22:38	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 22:38	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 22:38	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 13:23	04/26/21 22:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/26/21 13:23	04/26/21 22:38	1
o-Terphenyl	101		70 - 130	04/26/21 13:23	04/26/21 22:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3540		24.8		mg/Kg			04/28/21 20:32	5

Client Sample ID: FS05

Lab Sample ID: 890-567-30

Date Collected: 04/22/21 14:37

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 04:51	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 04:51	1
Ethylbenzene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 04:51	1
m-Xylene & p-Xylene	<0.00400	U *- *1	0.00400		mg/Kg		04/26/21 15:48	04/27/21 04:51	1
o-Xylene	<0.00200	U *- *1	0.00200		mg/Kg		04/26/21 15:48	04/27/21 04:51	1
Xylenes, Total	<0.00400	U *- *1	0.00400		mg/Kg		04/26/21 15:48	04/27/21 04:51	1
Total BTEX	<0.00400	U *- *1	0.00400		mg/Kg		04/26/21 15:48	04/27/21 04:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/26/21 15:48	04/27/21 04:51	1
1,4-Difluorobenzene (Surr)	104		70 - 130	04/26/21 15:48	04/27/21 04:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 23:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 23:00	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 23:00	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 23:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	04/26/21 13:23	04/26/21 23:00	1
o-Terphenyl	96		70 - 130	04/26/21 13:23	04/26/21 23:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3630		25.2		mg/Kg			04/28/21 20:37	5

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: FS06

Lab Sample ID: 890-567-31

Date Collected: 04/22/21 16:27

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 05:12	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 05:12	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 05:12	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		04/26/21 15:48	04/27/21 05:12	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 05:12	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		04/26/21 15:48	04/27/21 05:12	1
Total BTEX	<0.00398	U *- *1	0.00398		mg/Kg		04/26/21 15:48	04/27/21 05:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	04/26/21 15:48	04/27/21 05:12	1
1,4-Difluorobenzene (Surr)	110		70 - 130	04/26/21 15:48	04/27/21 05:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 16:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 16:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 16:48	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	04/26/21 08:55	04/26/21 16:48	1
o-Terphenyl	100		70 - 130	04/26/21 08:55	04/26/21 16:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6170		50.2		mg/Kg			04/28/21 20:42	10

Client Sample ID: FS07

Lab Sample ID: 890-567-32

Date Collected: 04/22/21 16:38

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 05:32	1
Toluene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 05:32	1
Ethylbenzene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 05:32	1
m-Xylene & p-Xylene	<0.00404	U *- *1	0.00404		mg/Kg		04/26/21 15:48	04/27/21 05:32	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 05:32	1
Xylenes, Total	<0.00404	U *- *1	0.00404		mg/Kg		04/26/21 15:48	04/27/21 05:32	1
Total BTEX	<0.00404	U *- *1	0.00404		mg/Kg		04/26/21 15:48	04/27/21 05:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/26/21 15:48	04/27/21 05:32	1
1,4-Difluorobenzene (Surr)	114		70 - 130	04/26/21 15:48	04/27/21 05:32	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: FS07

Lab Sample ID: 890-567-32

Date Collected: 04/22/21 16:38

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 17:10	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 17:10	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 17:10	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	04/26/21 08:55	04/26/21 17:10	1
o-Terphenyl	99		70 - 130	04/26/21 08:55	04/26/21 17:10	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10100		50.3		mg/Kg			04/28/21 20:47	10

Client Sample ID: FS08

Lab Sample ID: 890-567-33

Date Collected: 04/22/21 16:15

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 05:53	1
Toluene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 05:53	1
Ethylbenzene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 05:53	1
m-Xylene & p-Xylene	<0.00403	U *- *1	0.00403		mg/Kg		04/26/21 15:48	04/27/21 05:53	1
o-Xylene	<0.00202	U *- *1	0.00202		mg/Kg		04/26/21 15:48	04/27/21 05:53	1
Xylenes, Total	<0.00403	U *- *1	0.00403		mg/Kg		04/26/21 15:48	04/27/21 05:53	1
Total BTEX	<0.00403	U *- *1	0.00403		mg/Kg		04/26/21 15:48	04/27/21 05:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	04/26/21 15:48	04/27/21 05:53	1
1,4-Difluorobenzene (Surr)	108		70 - 130	04/26/21 15:48	04/27/21 05:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/21 08:55	04/26/21 17:32	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 08:55	04/26/21 17:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 08:55	04/26/21 17:32	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 08:55	04/26/21 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	04/26/21 08:55	04/26/21 17:32	1
o-Terphenyl	101		70 - 130	04/26/21 08:55	04/26/21 17:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11100		100		mg/Kg			05/04/21 19:10	20

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: FS09

Lab Sample ID: 890-567-34

Date Collected: 04/22/21 16:35

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201		mg/Kg		04/26/21 15:48	04/27/21 06:13	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		04/26/21 15:48	04/27/21 06:13	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		04/26/21 15:48	04/27/21 06:13	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		04/26/21 15:48	04/27/21 06:13	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		04/26/21 15:48	04/27/21 06:13	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		04/26/21 15:48	04/27/21 06:13	1
Total BTEX	<0.00402	U *- *1	0.00402		mg/Kg		04/26/21 15:48	04/27/21 06:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	04/26/21 15:48	04/27/21 06:13	1
1,4-Difluorobenzene (Surr)	118		70 - 130	04/26/21 15:48	04/27/21 06:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 17:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 17:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 17:53	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 17:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	04/26/21 08:55	04/26/21 17:53	1
o-Terphenyl	100		70 - 130	04/26/21 08:55	04/26/21 17:53	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2620		25.0		mg/Kg			04/28/21 20:58	5

Client Sample ID: SW05

Lab Sample ID: 890-567-35

Date Collected: 04/22/21 16:22

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: 0 - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *- *1	0.00201		mg/Kg		04/26/21 15:48	04/27/21 06:34	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		04/26/21 15:48	04/27/21 06:34	1
Ethylbenzene	<0.00201	U *- *1	0.00201		mg/Kg		04/26/21 15:48	04/27/21 06:34	1
m-Xylene & p-Xylene	<0.00402	U *- *1	0.00402		mg/Kg		04/26/21 15:48	04/27/21 06:34	1
o-Xylene	<0.00201	U *- *1	0.00201		mg/Kg		04/26/21 15:48	04/27/21 06:34	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		04/26/21 15:48	04/27/21 06:34	1
Total BTEX	<0.00402	U *- *1	0.00402		mg/Kg		04/26/21 15:48	04/27/21 06:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	04/26/21 15:48	04/27/21 06:34	1
1,4-Difluorobenzene (Surr)	119		70 - 130	04/26/21 15:48	04/27/21 06:34	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: SW05

Lab Sample ID: 890-567-35

Date Collected: 04/22/21 16:22

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: 0 - 4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		04/26/21 08:55	04/26/21 18:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		04/26/21 08:55	04/26/21 18:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		04/26/21 08:55	04/26/21 18:15	1
Total TPH	<49.9	U	49.9		mg/Kg		04/26/21 08:55	04/26/21 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	04/26/21 08:55	04/26/21 18:15	1
o-Terphenyl	105		70 - 130	04/26/21 08:55	04/26/21 18:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2870		25.0		mg/Kg			04/28/21 21:03	5

Client Sample ID: SW06

Lab Sample ID: 890-567-36

Date Collected: 04/22/21 16:24

Matrix: Solid

Date Received: 04/23/21 10:07

Sample Depth: 0 - 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 06:55	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 06:55	1
Ethylbenzene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 06:55	1
m-Xylene & p-Xylene	<0.00398	U *- *1	0.00398		mg/Kg		04/26/21 15:48	04/27/21 06:55	1
o-Xylene	<0.00199	U *- *1	0.00199		mg/Kg		04/26/21 15:48	04/27/21 06:55	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		04/26/21 15:48	04/27/21 06:55	1
Total BTEX	<0.00398	U *- *1	0.00398		mg/Kg		04/26/21 15:48	04/27/21 06:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	04/26/21 15:48	04/27/21 06:55	1
1,4-Difluorobenzene (Surr)	124		70 - 130	04/26/21 15:48	04/27/21 06:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 18:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 18:37	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 18:37	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	04/26/21 08:55	04/26/21 18:37	1
o-Terphenyl	102		70 - 130	04/26/21 08:55	04/26/21 18:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7150		50.4		mg/Kg			04/28/21 23:24	10

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-567-1	PH01	103	111
890-567-2	PH01	110	108
890-567-2 MS	PH01	102	104
890-567-2 MSD	PH01	102	105
890-567-3	PH01	111	109
890-567-4	PH01	109	107
890-567-5	PH01	108	107
890-567-6	PH02	111	109
890-567-7	PH02	106	106
890-567-8	PH03	106	107
890-567-9	PH03	108	106
890-567-10	PH04	107	108
890-567-11	PH04	104	108
890-567-12	PH05	105	107
890-567-13	PH05	107	107
890-567-14	PH06	104	108
890-567-15	PH06	106	106
890-567-16	PH07	111	108
890-567-17	PH07	108	108
890-567-18	PH08	111	110
890-567-19	PH08	108	109
890-567-20	PH09	107	108
890-567-21	PH09	109	109
890-567-22	FS02	90	97
890-567-23	SW01	108	99
890-567-24	SW02	106	117
890-567-25	SW03	106	110
890-567-26	SW04	110	95
890-567-27	FS01	109	107
890-567-28	FS03	106	116
890-567-29	FS04	106	106
890-567-30	FS05	101	104
890-567-31	FS06	107	110
890-567-32	FS07	101	114
890-567-33	FS08	116	108
890-567-34	FS09	112	118
890-567-35	SW05	104	119
890-567-36	SW06	110	124
LCS 880-2227/1-A	Lab Control Sample	99	103
LCS 880-2314/1-A	Lab Control Sample	94	111
LCS 880-2338/1-A	Lab Control Sample	95	105
LCSD 880-2227/2-A	Lab Control Sample Dup	101	104
LCSD 880-2314/2-A	Lab Control Sample Dup	95	107
LCSD 880-2338/2-A	Lab Control Sample Dup	92	109
MB 880-2227/5-A	Method Blank	100	101
MB 880-2314/5-A	Method Blank	106	85
MB 880-2322/5-A	Method Blank	99	102
MB 880-2338/5-A	Method Blank	114	103

Surrogate Legend

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-567-1

Project/Site: Longview 12-15

SDG: TE034821014

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8015B NM - Diesel Range Organics (DRO) (GC)
Matrix: Solid
Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-567-1	PH01	105	112
890-567-1 MS	PH01	106	98
890-567-1 MSD	PH01	106	98
890-567-2	PH01	110	116
890-567-3	PH01	110	111
890-567-4	PH01	110	112
890-567-5	PH01	109	113
890-567-6	PH02	110	118
890-567-7	PH02	114	118
890-567-8	PH03	111	115
890-567-9	PH03	114	116
890-567-10	PH04	110	112
890-567-11	PH04	113	116
890-567-12	PH05	108	116
890-567-13	PH05	106	110
890-567-14	PH06	114	118
890-567-15	PH06	114	119
890-567-16	PH07	110	119
890-567-17	PH07	110	115
890-567-18	PH08	110	113
890-567-19	PH08	118	119
890-567-20	PH09	111	120
890-567-21	PH09	103	105
890-567-21 MS	PH09	109	101
890-567-21 MSD	PH09	104	97
890-567-22	FS02	103	105
890-567-23	SW01	104	106
890-567-24	SW02	97	98
890-567-25	SW03	109	108
890-567-26	SW04	98	102
890-567-27	FS01	102	104
890-567-28	FS03	98	98
890-567-29	FS04	100	101
890-567-30	FS05	94	96
890-567-31	FS06	93	100
890-567-32	FS07	91	99
890-567-33	FS08	88	101
890-567-34	FS09	90	100
890-567-35	SW05	93	105
890-567-36	SW06	89	102
LCS 880-2316/2-A	Lab Control Sample	98	101
LCS 880-2324/2-A	Lab Control Sample	105	99
LCS 880-2326/2-A	Lab Control Sample	105	104
LCSD 880-2316/3-A	Lab Control Sample Dup	97	100
LCSD 880-2324/3-A	Lab Control Sample Dup	104	100
LCSD 880-2326/3-A	Lab Control Sample Dup	111	105
MB 880-2316/1-A	Method Blank	88	99

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
MB 880-2324/1-A	Method Blank	103	105
MB 880-2326/1-A	Method Blank	106	110
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2227/5-A

Matrix: Solid

Analysis Batch: 2325

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2227

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 04:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 04:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 04:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 10:30	04/27/21 04:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:30	04/27/21 04:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 10:30	04/27/21 04:01	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 10:30	04/27/21 04:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/26/21 10:30	04/27/21 04:01	1
1,4-Difluorobenzene (Surr)	101		70 - 130	04/26/21 10:30	04/27/21 04:01	1

Lab Sample ID: LCS 880-2227/1-A

Matrix: Solid

Analysis Batch: 2325

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2227

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08635		mg/Kg		86	70 - 130
Toluene	0.100	0.08911		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.09024		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1854		mg/Kg		93	70 - 130
o-Xylene	0.100	0.09331		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-2227/2-A

Matrix: Solid

Analysis Batch: 2325

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2227

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0.100	0.08938		mg/Kg		89	70 - 130	3	35
Toluene	0.100	0.09304		mg/Kg		93	70 - 130	4	35
Ethylbenzene	0.100	0.09645		mg/Kg		96	70 - 130	7	35
m-Xylene & p-Xylene	0.200	0.1954		mg/Kg		98	70 - 130	5	35
o-Xylene	0.100	0.09715		mg/Kg		97	70 - 130	4	35

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

Lab Sample ID: 890-567-2 MS

Matrix: Solid

Analysis Batch: 2325

Client Sample ID: PH01

Prep Type: Total/NA

Prep Batch: 2227

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00199	U	0.0998	0.08038		mg/Kg		81	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

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

Lab Sample ID: 890-567-2 MS

Matrix: Solid

Analysis Batch: 2325

Client Sample ID: PH01

Prep Type: Total/NA

Prep Batch: 2227

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Toluene	<0.00199	U	0.0998	0.08375		mg/Kg		84	70 - 130
Ethylbenzene	<0.00199	U	0.0998	0.08584		mg/Kg		86	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1746		mg/Kg		87	70 - 130
o-Xylene	<0.00199	U	0.0998	0.08541		mg/Kg		86	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	102		70 - 130						
1,4-Difluorobenzene (Surr)	104		70 - 130						

Lab Sample ID: 890-567-2 MSD

Matrix: Solid

Analysis Batch: 2325

Client Sample ID: PH01

Prep Type: Total/NA

Prep Batch: 2227

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.07366		mg/Kg		74	70 - 130	9	35
Toluene	<0.00199	U	0.100	0.07551		mg/Kg		76	70 - 130	10	35
Ethylbenzene	<0.00199	U	0.100	0.07682		mg/Kg		77	70 - 130	11	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1558		mg/Kg		78	70 - 130	11	35
o-Xylene	<0.00199	U	0.100	0.07619		mg/Kg		76	70 - 130	11	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	102		70 - 130								
1,4-Difluorobenzene (Surr)	105		70 - 130								

Lab Sample ID: MB 880-2314/5-A

Matrix: Solid

Analysis Batch: 2315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2314

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 08:44	04/26/21 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 08:44	04/26/21 12:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				04/26/21 08:44	04/26/21 12:07	1
1,4-Difluorobenzene (Surr)	85		70 - 130				04/26/21 08:44	04/26/21 12:07	1

Lab Sample ID: LCS 880-2314/1-A

Matrix: Solid

Analysis Batch: 2315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2314

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

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

Lab Sample ID: LCS 880-2314/1-A

Matrix: Solid

Analysis Batch: 2315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2314

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

Lab Sample ID: LCSD 880-2314/2-A

Matrix: Solid

Analysis Batch: 2315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2314

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: MB 880-2322/5-A

Matrix: Solid

Analysis Batch: 2325

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2322

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:48	04/26/21 15:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:48	04/26/21 15:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:48	04/26/21 15:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 10:48	04/26/21 15:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 10:48	04/26/21 15:59	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 10:48	04/26/21 15:59	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 10:48	04/26/21 15:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	04/26/21 10:48	04/26/21 15:59	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/26/21 10:48	04/26/21 15:59	1

Lab Sample ID: MB 880-2338/5-A

Matrix: Solid

Analysis Batch: 2315

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2338

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:48	04/27/21 00:03	1
Toluene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:48	04/27/21 00:03	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:48	04/27/21 00:03	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		04/26/21 15:48	04/27/21 00:03	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		04/26/21 15:48	04/27/21 00:03	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		04/26/21 15:48	04/27/21 00:03	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		04/26/21 15:48	04/27/21 00:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	04/26/21 15:48	04/27/21 00:03	1
1,4-Difluorobenzene (Surr)	103		70 - 130	04/26/21 15:48	04/27/21 00:03	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

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

Lab Sample ID: LCS 880-2338/1-A

Matrix: Solid

Analysis Batch: 2315

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2338

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08044		mg/Kg		80	70 - 130
Toluene	0.100	0.09159		mg/Kg		92	70 - 130
Ethylbenzene	0.100	0.08684		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	0.200	0.1811		mg/Kg		91	70 - 130
o-Xylene	0.100	0.09065		mg/Kg		91	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-2338/2-A

Matrix: Solid

Analysis Batch: 2315

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2338

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.04572	*- *1	mg/Kg		46	70 - 130	55	35
Toluene	0.100	0.02608	*- *1	mg/Kg		26	70 - 130	111	35
Ethylbenzene	0.100	0.01119	*- *1	mg/Kg		11	70 - 130	154	35
m-Xylene & p-Xylene	0.200	0.02200	*- *1	mg/Kg		11	70 - 130	157	35
o-Xylene	0.100	0.01484	*- *1	mg/Kg		15	70 - 130	144	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	109		70 - 130

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

Lab Sample ID: MB 880-2316/1-A

Matrix: Solid

Analysis Batch: 2308

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2316

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 10:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 10:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 10:40	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 08:55	04/26/21 10:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	04/26/21 08:55	04/26/21 10:40	1
o-Terphenyl	99		70 - 130	04/26/21 08:55	04/26/21 10:40	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

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

Lab Sample ID: LCS 880-2316/2-A

Matrix: Solid

Analysis Batch: 2308

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2316

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec.		
			Added	Result	Qualifier			Limits			
Gasoline Range Organics (GRO)-C6-C10			1000	995.7		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	942.9		mg/Kg		94	70 - 130		
											</

Lab Sample ID: LCSD 880-2316/3-A

Matrix: Solid

Analysis Batch: 2308

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2316

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
Gasoline Range Organics (GRO)-C6-C10			1000	995.1		mg/Kg		100	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	944.7		mg/Kg		94	70 - 130	0	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	97		70 - 130								
o-Terphenyl	100		70 - 130								

Lab Sample ID: MB 880-2324/1-A

Matrix: Solid

Analysis Batch: 2304

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2324

Analyte	MB	MB	RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 18:03		1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 18:03		1	
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 18:03		1	
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 11:10	04/26/21 18:03		1	
Surrogate	MB	MB	Limits				Prepared		Analyzed		Dil Fac
%Recovery	Qualifier										
1-Chlorooctane	103		70 - 130				04/26/21 11:10	04/26/21 18:03		1	
o-Terphenyl	105		70 - 130				04/26/21 11:10	04/26/21 18:03		1	

Lab Sample ID: LCS 880-2324/2-A

Matrix: Solid

Analysis Batch: 2304

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1081		mg/Kg		108	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1008		mg/Kg		101	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

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

Lab Sample ID: LCS 880-2324/2-A

Matrix: Solid

Analysis Batch: 2304

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2324

	LCS %Recovery	LCS Qualifier	Limits
Surrogate			
1-Chlorooctane	105		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: LCSD 880-2324/3-A

Matrix: Solid

Analysis Batch: 2304

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2324

Analyte	LCSD %Recovery	LCSD Qualifier	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1104		mg/Kg		110	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	1026		mg/Kg		103	70 - 130	2	20
Surrogate											
1-Chlorooctane	104										
o-Terphenyl	100										

Lab Sample ID: 890-567-1 MS

Matrix: Solid

Analysis Batch: 2304

Client Sample ID: PH01

Prep Type: Total/NA

Prep Batch: 2324

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	1315	F1	mg/Kg		132	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1071		mg/Kg		104	70 - 130		
Surrogate											
1-Chlorooctane	106										
o-Terphenyl	98										

Lab Sample ID: 890-567-1 MSD

Matrix: Solid

Analysis Batch: 2304

Client Sample ID: PH01

Prep Type: Total/NA

Prep Batch: 2324

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	1203		mg/Kg		121	70 - 130	9	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1087		mg/Kg		106	70 - 130	1	20
Surrogate											
1-Chlorooctane	106										
o-Terphenyl	98										

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

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

Lab Sample ID: MB 880-2326/1-A

Matrix: Solid

Analysis Batch: 2306

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 2326

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 18:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 18:03	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 18:03	1
Total TPH	<50.0	U	50.0		mg/Kg		04/26/21 13:23	04/26/21 18:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	04/26/21 13:23	04/26/21 18:03	1
o-Terphenyl	110		70 - 130	04/26/21 13:23	04/26/21 18:03	1

Lab Sample ID: LCS 880-2326/2-A

Matrix: Solid

Analysis Batch: 2306

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 2326

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1143		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1024		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: LCSD 880-2326/3-A

Matrix: Solid

Analysis Batch: 2306

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 2326

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1224		mg/Kg		122	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	1000	1033		mg/Kg		103	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 890-567-21 MS

Matrix: Solid

Analysis Batch: 2306

Client Sample ID: PH09

Prep Type: Total/NA

Prep Batch: 2326

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	1336	F1	mg/Kg		132	70 - 130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1047		mg/Kg		103	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

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

Lab Sample ID: 890-567-21 MS

Matrix: Solid

Analysis Batch: 2306

Client Sample ID: PH09

Prep Type: Total/NA

Prep Batch: 2326

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: 890-567-21 MSD

Matrix: Solid

Analysis Batch: 2306

Client Sample ID: PH09

Prep Type: Total/NA

Prep Batch: 2326

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F1	998	1374	F1	mg/Kg		136	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	1014		mg/Kg		100	70 - 130	3	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	97		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2339/1-A

Matrix: Solid

Analysis Batch: 2406

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/28/21 10:15	1

Lab Sample ID: LCS 880-2339/2-A

Matrix: Solid

Analysis Batch: 2406

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	258.7		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-2339/3-A

Matrix: Solid

Analysis Batch: 2406

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	257.2		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 890-567-6 MS

Matrix: Solid

Analysis Batch: 2406

Client Sample ID: PH02

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	5650		1250	6609	4	mg/Kg		77	90 - 110

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-2340/1-A

Matrix: Solid

Analysis Batch: 2446

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/28/21 18:28	1

Lab Sample ID: LCS 880-2340/2-A

Matrix: Solid

Analysis Batch: 2446

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	257.2		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-2340/3-A

Matrix: Solid

Analysis Batch: 2446

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	253.3		mg/Kg		101	90 - 110	2	20

Lab Sample ID: 890-567-16 MS

Matrix: Solid

Analysis Batch: 2446

Client Sample ID: PH07

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	102	F1	252	392.8	F1	mg/Kg		115	90 - 110

Lab Sample ID: 890-567-16 MSD

Matrix: Solid

Analysis Batch: 2446

Client Sample ID: PH07

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	102	F1	252	374.4		mg/Kg		108	90 - 110	5	20

Lab Sample ID: 890-567-26 MS

Matrix: Solid

Analysis Batch: 2446

Client Sample ID: SW04

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	16.2	F1	249	296.9	F1	mg/Kg		113	90 - 110

Lab Sample ID: 890-567-26 MSD

Matrix: Solid

Analysis Batch: 2446

Client Sample ID: SW04

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	16.2	F1	249	277.4		mg/Kg		105	90 - 110	7	20

Lab Sample ID: MB 880-2341/1-A

Matrix: Solid

Analysis Batch: 2449

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			04/28/21 21:53	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-2341/2-A

Matrix: Solid

Analysis Batch: 2449

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	253.0		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-2341/3-A

Matrix: Solid

Analysis Batch: 2449

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	254.9		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 890-567-36 MS

Matrix: Solid

Analysis Batch: 2449

Client Sample ID: SW06

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	7150		252	9541	4	mg/Kg		950	90 - 110

Lab Sample ID: 890-567-36 MSD

Matrix: Solid

Analysis Batch: 2449

Client Sample ID: SW06

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	7150		252	9850	4	mg/Kg		1073	90 - 110	3	20

Lab Sample ID: MB 880-2556/1-A

Matrix: Solid

Analysis Batch: 2608

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/03/21 15:17	1

Lab Sample ID: LCS 880-2556/2-A

Matrix: Solid

Analysis Batch: 2608

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	263.2		mg/Kg		105	90 - 110

Lab Sample ID: LCSD 880-2556/3-A

Matrix: Solid

Analysis Batch: 2608

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	258.2		mg/Kg		103	90 - 110	2	20

Lab Sample ID: MB 880-2631/1-A

Matrix: Solid

Analysis Batch: 2634

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/03/21 15:39	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-2631/2-A

Matrix: Solid

Analysis Batch: 2634

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	252.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-2631/3-A

Matrix: Solid

Analysis Batch: 2634

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	250.0		mg/Kg		100	90 - 110	1	20

Lab Sample ID: MB 880-2564/1-A

Matrix: Solid

Analysis Batch: 2689

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/04/21 16:39	1

Lab Sample ID: LCS 880-2564/2-A

Matrix: Solid

Analysis Batch: 2689

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	255.1		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-2564/3-A

Matrix: Solid

Analysis Batch: 2689

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	255.4		mg/Kg		102	90 - 110	0	20

Lab Sample ID: MB 880-2723/1-A

Matrix: Solid

Analysis Batch: 2769

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/06/21 15:07	1

Lab Sample ID: LCS 880-2723/2-A

Matrix: Solid

Analysis Batch: 2769

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	235.1		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-2723/3-A

Matrix: Solid

Analysis Batch: 2769

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	230.6		mg/Kg		92	90 - 110	2	20

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2852/1-A

Matrix: Solid

Analysis Batch: 2853

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/07/21 23:30	1

Lab Sample ID: LCS 880-2852/2-A

Matrix: Solid

Analysis Batch: 2853

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	231.5		mg/Kg		93	90 - 110

Lab Sample ID: LCSD 880-2852/3-A

Matrix: Solid

Analysis Batch: 2853

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	243.8		mg/Kg		98	90 - 110	5	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

GC VOA

Prep Batch: 2227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-2	PH01	Total/NA	Solid	5035	
890-567-3	PH01	Total/NA	Solid	5035	
890-567-4	PH01	Total/NA	Solid	5035	
890-567-5	PH01	Total/NA	Solid	5035	
890-567-6	PH02	Total/NA	Solid	5035	
890-567-7	PH02	Total/NA	Solid	5035	
890-567-8	PH03	Total/NA	Solid	5035	
890-567-9	PH03	Total/NA	Solid	5035	
890-567-10	PH04	Total/NA	Solid	5035	
890-567-11	PH04	Total/NA	Solid	5035	
890-567-12	PH05	Total/NA	Solid	5035	
890-567-13	PH05	Total/NA	Solid	5035	
890-567-14	PH06	Total/NA	Solid	5035	
890-567-15	PH06	Total/NA	Solid	5035	
890-567-16	PH07	Total/NA	Solid	5035	
890-567-17	PH07	Total/NA	Solid	5035	
890-567-18	PH08	Total/NA	Solid	5035	
890-567-19	PH08	Total/NA	Solid	5035	
890-567-20	PH09	Total/NA	Solid	5035	
890-567-21	PH09	Total/NA	Solid	5035	
MB 880-2227/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2227/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2227/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-567-2 MS	PH01	Total/NA	Solid	5035	
890-567-2 MSD	PH01	Total/NA	Solid	5035	

Prep Batch: 2314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-1	PH01	Total/NA	Solid	5035	
MB 880-2314/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2314/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2314/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 2315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-1	PH01	Total/NA	Solid	8021B	2314
890-567-22	FS02	Total/NA	Solid	8021B	2338
890-567-23	SW01	Total/NA	Solid	8021B	2338
890-567-24	SW02	Total/NA	Solid	8021B	2338
890-567-25	SW03	Total/NA	Solid	8021B	2338
890-567-26	SW04	Total/NA	Solid	8021B	2338
890-567-27	FS01	Total/NA	Solid	8021B	2338
890-567-28	FS03	Total/NA	Solid	8021B	2338
890-567-29	FS04	Total/NA	Solid	8021B	2338
890-567-30	FS05	Total/NA	Solid	8021B	2338
890-567-31	FS06	Total/NA	Solid	8021B	2338
890-567-32	FS07	Total/NA	Solid	8021B	2338
890-567-33	FS08	Total/NA	Solid	8021B	2338
890-567-34	FS09	Total/NA	Solid	8021B	2338
890-567-35	SW05	Total/NA	Solid	8021B	2338
890-567-36	SW06	Total/NA	Solid	8021B	2338

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QC Association Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

GC VOA (Continued)

Analysis Batch: 2315 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2314/5-A	Method Blank	Total/NA	Solid	8021B	2314
MB 880-2338/5-A	Method Blank	Total/NA	Solid	8021B	2338
LCS 880-2314/1-A	Lab Control Sample	Total/NA	Solid	8021B	2314
LCS 880-2338/1-A	Lab Control Sample	Total/NA	Solid	8021B	2338
LCSD 880-2314/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2314
LCSD 880-2338/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2338

Prep Batch: 2322

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2322/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 2325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-2	PH01	Total/NA	Solid	8021B	2227
890-567-3	PH01	Total/NA	Solid	8021B	2227
890-567-4	PH01	Total/NA	Solid	8021B	2227
890-567-5	PH01	Total/NA	Solid	8021B	2227
890-567-6	PH02	Total/NA	Solid	8021B	2227
890-567-7	PH02	Total/NA	Solid	8021B	2227
890-567-8	PH03	Total/NA	Solid	8021B	2227
890-567-9	PH03	Total/NA	Solid	8021B	2227
890-567-10	PH04	Total/NA	Solid	8021B	2227
890-567-11	PH04	Total/NA	Solid	8021B	2227
890-567-12	PH05	Total/NA	Solid	8021B	2227
890-567-13	PH05	Total/NA	Solid	8021B	2227
890-567-14	PH06	Total/NA	Solid	8021B	2227
890-567-15	PH06	Total/NA	Solid	8021B	2227
890-567-16	PH07	Total/NA	Solid	8021B	2227
890-567-17	PH07	Total/NA	Solid	8021B	2227
890-567-18	PH08	Total/NA	Solid	8021B	2227
890-567-19	PH08	Total/NA	Solid	8021B	2227
890-567-20	PH09	Total/NA	Solid	8021B	2227
890-567-21	PH09	Total/NA	Solid	8021B	2227
MB 880-2227/5-A	Method Blank	Total/NA	Solid	8021B	2227
MB 880-2322/5-A	Method Blank	Total/NA	Solid	8021B	2322
LCS 880-2227/1-A	Lab Control Sample	Total/NA	Solid	8021B	2227
LCSD 880-2227/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2227
890-567-2 MS	PH01	Total/NA	Solid	8021B	2227
890-567-2 MSD	PH01	Total/NA	Solid	8021B	2227

Prep Batch: 2338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-22	FS02	Total/NA	Solid	5035	
890-567-23	SW01	Total/NA	Solid	5035	
890-567-24	SW02	Total/NA	Solid	5035	
890-567-25	SW03	Total/NA	Solid	5035	
890-567-26	SW04	Total/NA	Solid	5035	
890-567-27	FS01	Total/NA	Solid	5035	
890-567-28	FS03	Total/NA	Solid	5035	
890-567-29	FS04	Total/NA	Solid	5035	
890-567-30	FS05	Total/NA	Solid	5035	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

GC VOA (Continued)

Prep Batch: 2338 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-31	FS06	Total/NA	Solid	5035	
890-567-32	FS07	Total/NA	Solid	5035	
890-567-33	FS08	Total/NA	Solid	5035	
890-567-34	FS09	Total/NA	Solid	5035	
890-567-35	SW05	Total/NA	Solid	5035	
890-567-36	SW06	Total/NA	Solid	5035	
MB 880-2338/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2338/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2338/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 2304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-1	PH01	Total/NA	Solid	8015B NM	2324
890-567-2	PH01	Total/NA	Solid	8015B NM	2324
890-567-3	PH01	Total/NA	Solid	8015B NM	2324
890-567-4	PH01	Total/NA	Solid	8015B NM	2324
890-567-5	PH01	Total/NA	Solid	8015B NM	2324
890-567-6	PH02	Total/NA	Solid	8015B NM	2324
890-567-7	PH02	Total/NA	Solid	8015B NM	2324
890-567-8	PH03	Total/NA	Solid	8015B NM	2324
890-567-9	PH03	Total/NA	Solid	8015B NM	2324
890-567-10	PH04	Total/NA	Solid	8015B NM	2324
890-567-11	PH04	Total/NA	Solid	8015B NM	2324
890-567-12	PH05	Total/NA	Solid	8015B NM	2324
890-567-13	PH05	Total/NA	Solid	8015B NM	2324
890-567-14	PH06	Total/NA	Solid	8015B NM	2324
890-567-15	PH06	Total/NA	Solid	8015B NM	2324
890-567-16	PH07	Total/NA	Solid	8015B NM	2324
890-567-17	PH07	Total/NA	Solid	8015B NM	2324
890-567-18	PH08	Total/NA	Solid	8015B NM	2324
890-567-19	PH08	Total/NA	Solid	8015B NM	2324
890-567-20	PH09	Total/NA	Solid	8015B NM	2324
MB 880-2324/1-A	Method Blank	Total/NA	Solid	8015B NM	2324
LCS 880-2324/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2324
LCSD 880-2324/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2324
890-567-1 MS	PH01	Total/NA	Solid	8015B NM	2324
890-567-1 MSD	PH01	Total/NA	Solid	8015B NM	2324

Analysis Batch: 2306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-21	PH09	Total/NA	Solid	8015B NM	2326
890-567-22	FS02	Total/NA	Solid	8015B NM	2326
890-567-23	SW01	Total/NA	Solid	8015B NM	2326
890-567-24	SW02	Total/NA	Solid	8015B NM	2326
890-567-25	SW03	Total/NA	Solid	8015B NM	2326
890-567-26	SW04	Total/NA	Solid	8015B NM	2326
890-567-27	FS01	Total/NA	Solid	8015B NM	2326
890-567-28	FS03	Total/NA	Solid	8015B NM	2326
890-567-29	FS04	Total/NA	Solid	8015B NM	2326

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

GC Semi VOA (Continued)

Analysis Batch: 2306 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-30	FS05	Total/NA	Solid	8015B NM	2326
MB 880-2326/1-A	Method Blank	Total/NA	Solid	8015B NM	2326
LCS 880-2326/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2326
LCSD 880-2326/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2326
890-567-21 MS	PH09	Total/NA	Solid	8015B NM	2326
890-567-21 MSD	PH09	Total/NA	Solid	8015B NM	2326

Analysis Batch: 2308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-31	FS06	Total/NA	Solid	8015B NM	2316
890-567-32	FS07	Total/NA	Solid	8015B NM	2316
890-567-33	FS08	Total/NA	Solid	8015B NM	2316
890-567-34	FS09	Total/NA	Solid	8015B NM	2316
890-567-35	SW05	Total/NA	Solid	8015B NM	2316
890-567-36	SW06	Total/NA	Solid	8015B NM	2316
MB 880-2316/1-A	Method Blank	Total/NA	Solid	8015B NM	2316
LCS 880-2316/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2316
LCSD 880-2316/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2316

Prep Batch: 2316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-31	FS06	Total/NA	Solid	8015NM Prep	
890-567-32	FS07	Total/NA	Solid	8015NM Prep	
890-567-33	FS08	Total/NA	Solid	8015NM Prep	
890-567-34	FS09	Total/NA	Solid	8015NM Prep	
890-567-35	SW05	Total/NA	Solid	8015NM Prep	
890-567-36	SW06	Total/NA	Solid	8015NM Prep	
MB 880-2316/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2316/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2316/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 2324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-1	PH01	Total/NA	Solid	8015NM Prep	
890-567-2	PH01	Total/NA	Solid	8015NM Prep	
890-567-3	PH01	Total/NA	Solid	8015NM Prep	
890-567-4	PH01	Total/NA	Solid	8015NM Prep	
890-567-5	PH01	Total/NA	Solid	8015NM Prep	
890-567-6	PH02	Total/NA	Solid	8015NM Prep	
890-567-7	PH02	Total/NA	Solid	8015NM Prep	
890-567-8	PH03	Total/NA	Solid	8015NM Prep	
890-567-9	PH03	Total/NA	Solid	8015NM Prep	
890-567-10	PH04	Total/NA	Solid	8015NM Prep	
890-567-11	PH04	Total/NA	Solid	8015NM Prep	
890-567-12	PH05	Total/NA	Solid	8015NM Prep	
890-567-13	PH05	Total/NA	Solid	8015NM Prep	
890-567-14	PH06	Total/NA	Solid	8015NM Prep	
890-567-15	PH06	Total/NA	Solid	8015NM Prep	
890-567-16	PH07	Total/NA	Solid	8015NM Prep	
890-567-17	PH07	Total/NA	Solid	8015NM Prep	
890-567-18	PH08	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

GC Semi VOA (Continued)

Prep Batch: 2324 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-19	PH08	Total/NA	Solid	8015NM Prep	
890-567-20	PH09	Total/NA	Solid	8015NM Prep	
MB 880-2324/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2324/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2324/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-567-1 MS	PH01	Total/NA	Solid	8015NM Prep	
890-567-1 MSD	PH01	Total/NA	Solid	8015NM Prep	

Prep Batch: 2326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-21	PH09	Total/NA	Solid	8015NM Prep	
890-567-22	FS02	Total/NA	Solid	8015NM Prep	
890-567-23	SW01	Total/NA	Solid	8015NM Prep	
890-567-24	SW02	Total/NA	Solid	8015NM Prep	
890-567-25	SW03	Total/NA	Solid	8015NM Prep	
890-567-26	SW04	Total/NA	Solid	8015NM Prep	
890-567-27	FS01	Total/NA	Solid	8015NM Prep	
890-567-28	FS03	Total/NA	Solid	8015NM Prep	
890-567-29	FS04	Total/NA	Solid	8015NM Prep	
890-567-30	FS05	Total/NA	Solid	8015NM Prep	
MB 880-2326/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2326/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2326/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-567-21 MS	PH09	Total/NA	Solid	8015NM Prep	
890-567-21 MSD	PH09	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 2339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-1	PH01	Soluble	Solid	DI Leach	
890-567-2	PH01	Soluble	Solid	DI Leach	
890-567-3	PH01	Soluble	Solid	DI Leach	
890-567-4	PH01	Soluble	Solid	DI Leach	
890-567-6	PH02	Soluble	Solid	DI Leach	
890-567-7	PH02	Soluble	Solid	DI Leach	
890-567-8	PH03	Soluble	Solid	DI Leach	
890-567-10	PH04	Soluble	Solid	DI Leach	
890-567-11	PH04	Soluble	Solid	DI Leach	
890-567-12	PH05	Soluble	Solid	DI Leach	
MB 880-2339/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2339/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2339/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-567-6 MS	PH02	Soluble	Solid	DI Leach	
890-567-6 MSD	PH02	Soluble	Solid	DI Leach	

Leach Batch: 2340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-16	PH07	Soluble	Solid	DI Leach	
890-567-17	PH07	Soluble	Solid	DI Leach	
890-567-18	PH08	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

HPLC/IC (Continued)

Leach Batch: 2340 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-19	PH08	Soluble	Solid	DI Leach	
890-567-20	PH09	Soluble	Solid	DI Leach	
890-567-21	PH09	Soluble	Solid	DI Leach	
890-567-22	FS02	Soluble	Solid	DI Leach	
890-567-23	SW01	Soluble	Solid	DI Leach	
890-567-24	SW02	Soluble	Solid	DI Leach	
890-567-25	SW03	Soluble	Solid	DI Leach	
890-567-26	SW04	Soluble	Solid	DI Leach	
890-567-27	FS01	Soluble	Solid	DI Leach	
890-567-28	FS03	Soluble	Solid	DI Leach	
890-567-29	FS04	Soluble	Solid	DI Leach	
890-567-30	FS05	Soluble	Solid	DI Leach	
890-567-31	FS06	Soluble	Solid	DI Leach	
890-567-32	FS07	Soluble	Solid	DI Leach	
890-567-34	FS09	Soluble	Solid	DI Leach	
890-567-35	SW05	Soluble	Solid	DI Leach	
MB 880-2340/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2340/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2340/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-567-16 MS	PH07	Soluble	Solid	DI Leach	
890-567-16 MSD	PH07	Soluble	Solid	DI Leach	
890-567-26 MS	SW04	Soluble	Solid	DI Leach	
890-567-26 MSD	SW04	Soluble	Solid	DI Leach	

Leach Batch: 2341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-36	SW06	Soluble	Solid	DI Leach	
MB 880-2341/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2341/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2341/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-567-36 MS	SW06	Soluble	Solid	DI Leach	
890-567-36 MSD	SW06	Soluble	Solid	DI Leach	

Analysis Batch: 2406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-1	PH01	Soluble	Solid	300.0	2339
890-567-2	PH01	Soluble	Solid	300.0	2339
890-567-3	PH01	Soluble	Solid	300.0	2339
890-567-4	PH01	Soluble	Solid	300.0	2339
890-567-6	PH02	Soluble	Solid	300.0	2339
890-567-7	PH02	Soluble	Solid	300.0	2339
890-567-8	PH03	Soluble	Solid	300.0	2339
890-567-10	PH04	Soluble	Solid	300.0	2339
890-567-11	PH04	Soluble	Solid	300.0	2339
890-567-12	PH05	Soluble	Solid	300.0	2339
MB 880-2339/1-A	Method Blank	Soluble	Solid	300.0	2339
LCS 880-2339/2-A	Lab Control Sample	Soluble	Solid	300.0	2339
LCSD 880-2339/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2339
890-567-6 MS	PH02	Soluble	Solid	300.0	2339
890-567-6 MSD	PH02	Soluble	Solid	300.0	2339

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

HPLC/IC

Analysis Batch: 2446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-16	PH07	Soluble	Solid	300.0	2340
890-567-17	PH07	Soluble	Solid	300.0	2340
890-567-18	PH08	Soluble	Solid	300.0	2340
890-567-19	PH08	Soluble	Solid	300.0	2340
890-567-20	PH09	Soluble	Solid	300.0	2340
890-567-21	PH09	Soluble	Solid	300.0	2340
890-567-22	FS02	Soluble	Solid	300.0	2340
890-567-23	SW01	Soluble	Solid	300.0	2340
890-567-24	SW02	Soluble	Solid	300.0	2340
890-567-25	SW03	Soluble	Solid	300.0	2340
890-567-26	SW04	Soluble	Solid	300.0	2340
890-567-27	FS01	Soluble	Solid	300.0	2340
890-567-28	FS03	Soluble	Solid	300.0	2340
890-567-29	FS04	Soluble	Solid	300.0	2340
890-567-30	FS05	Soluble	Solid	300.0	2340
890-567-31	FS06	Soluble	Solid	300.0	2340
890-567-32	FS07	Soluble	Solid	300.0	2340
890-567-34	FS09	Soluble	Solid	300.0	2340
890-567-35	SW05	Soluble	Solid	300.0	2340
MB 880-2340/1-A	Method Blank	Soluble	Solid	300.0	2340
LCS 880-2340/2-A	Lab Control Sample	Soluble	Solid	300.0	2340
LCSD 880-2340/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2340
890-567-16 MS	PH07	Soluble	Solid	300.0	2340
890-567-16 MSD	PH07	Soluble	Solid	300.0	2340
890-567-26 MS	SW04	Soluble	Solid	300.0	2340
890-567-26 MSD	SW04	Soluble	Solid	300.0	2340

Analysis Batch: 2449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-36	SW06	Soluble	Solid	300.0	2341
MB 880-2341/1-A	Method Blank	Soluble	Solid	300.0	2341
LCS 880-2341/2-A	Lab Control Sample	Soluble	Solid	300.0	2341
LCSD 880-2341/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2341
890-567-36 MS	SW06	Soluble	Solid	300.0	2341
890-567-36 MSD	SW06	Soluble	Solid	300.0	2341

Leach Batch: 2556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-5	PH01	Soluble	Solid	DI Leach	
890-567-9	PH03	Soluble	Solid	DI Leach	
890-567-14	PH06	Soluble	Solid	DI Leach	
890-567-15	PH06	Soluble	Solid	DI Leach	
MB 880-2556/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2556/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2556/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 2564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-33	FS08	Soluble	Solid	DI Leach	
MB 880-2564/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2564/2-A	Lab Control Sample	Soluble	Solid	DI Leach	

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QC Association Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

HPLC/IC (Continued)

Leach Batch: 2564 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-2564/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 2608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-5	PH01	Soluble	Solid	300.0	2556
890-567-9	PH03	Soluble	Solid	300.0	2556
890-567-14	PH06	Soluble	Solid	300.0	2556
890-567-15	PH06	Soluble	Solid	300.0	2556
MB 880-2556/1-A	Method Blank	Soluble	Solid	300.0	2556
LCS 880-2556/2-A	Lab Control Sample	Soluble	Solid	300.0	2556
LCSD 880-2556/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2556

Leach Batch: 2631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2631/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2631/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2631/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 2634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2631/1-A	Method Blank	Soluble	Solid	300.0	2631
LCS 880-2631/2-A	Lab Control Sample	Soluble	Solid	300.0	2631
LCSD 880-2631/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2631

Analysis Batch: 2689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-33	FS08	Soluble	Solid	300.0	2564
MB 880-2564/1-A	Method Blank	Soluble	Solid	300.0	2564
LCS 880-2564/2-A	Lab Control Sample	Soluble	Solid	300.0	2564
LCSD 880-2564/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2564

Leach Batch: 2723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-13	PH05	Soluble	Solid	DI Leach	
MB 880-2723/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2723/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2723/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 2769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-567-13	PH05	Soluble	Solid	300.0	2723
MB 880-2723/1-A	Method Blank	Soluble	Solid	300.0	2723
LCS 880-2723/2-A	Lab Control Sample	Soluble	Solid	300.0	2723
LCSD 880-2723/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2723

Leach Batch: 2852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2852/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2852/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2852/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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QC Association Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

HPLC/IC

Analysis Batch: 2853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-2852/1-A	Method Blank	Soluble	Solid	300.0	2852
LCS 880-2852/2-A	Lab Control Sample	Soluble	Solid	300.0	2852
LCSD 880-2852/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2852

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

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH01

Lab Sample ID: 890-567-1

Date Collected: 04/21/21 08:26

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 21:03	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/26/21 19:06	AJ	XM
Soluble	Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Soluble	Analysis	300.0		10	2406	04/28/21 13:59	CH	XM

Client Sample ID: PH01

Lab Sample ID: 890-567-2

Date Collected: 04/21/21 08:28

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 04:30	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/26/21 20:10	AJ	XM
Soluble	Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Soluble	Analysis	300.0		5	2406	04/28/21 13:53	CH	XM

Client Sample ID: PH01

Lab Sample ID: 890-567-3

Date Collected: 04/21/21 08:40

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 04:50	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/26/21 20:31	AJ	XM
Soluble	Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Soluble	Analysis	300.0		1	2406	04/28/21 14:20	CH	XM

Client Sample ID: PH01

Lab Sample ID: 890-567-4

Date Collected: 04/21/21 08:55

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 05:11	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/26/21 20:52	AJ	XM
Soluble	Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Soluble	Analysis	300.0		5	2406	04/28/21 14:26	CH	XM

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH01

Lab Sample ID: 890-567-5

Date Collected: 04/21/21 09:06

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 05:31	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/26/21 21:14	AJ	XM
Soluble	Leach	DI Leach			2556	04/30/21 14:42	CH	XM
Soluble	Analysis	300.0		1	2608	05/03/21 17:42	CH	XM

Client Sample ID: PH02

Lab Sample ID: 890-567-6

Date Collected: 04/21/21 09:29

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 05:52	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/26/21 21:35	AJ	XM
Soluble	Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Soluble	Analysis	300.0		5	2406	04/28/21 14:36	CH	XM

Client Sample ID: PH02

Lab Sample ID: 890-567-7

Date Collected: 04/21/21 09:32

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 06:12	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/26/21 21:56	AJ	XM
Soluble	Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Soluble	Analysis	300.0		1	2406	04/28/21 14:53	CH	XM

Client Sample ID: PH03

Lab Sample ID: 890-567-8

Date Collected: 04/21/21 09:50

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 06:32	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/26/21 22:17	AJ	XM
Soluble	Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Soluble	Analysis	300.0		1	2406	04/28/21 14:58	CH	XM

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH03

Lab Sample ID: 890-567-9

Date Collected: 04/21/21 09:53

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 06:53	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/26/21 22:38	AJ	XM
Soluble	Leach	DI Leach			2556	04/30/21 14:42	CH	XM
Soluble	Analysis	300.0		1	2608	05/03/21 17:47	CH	XM

Client Sample ID: PH04

Lab Sample ID: 890-567-10

Date Collected: 04/21/21 09:58

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 07:13	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/26/21 23:00	AJ	XM
Soluble	Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Soluble	Analysis	300.0		1	2406	04/28/21 15:19	CH	XM

Client Sample ID: PH04

Lab Sample ID: 890-567-11

Date Collected: 04/21/21 10:00

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 07:34	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/26/21 23:42	AJ	XM
Soluble	Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Soluble	Analysis	300.0		1	2406	04/28/21 15:25	CH	XM

Client Sample ID: PH05

Lab Sample ID: 890-567-12

Date Collected: 04/21/21 10:07

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 10:05	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/27/21 00:03	AJ	XM
Soluble	Leach	DI Leach			2339	04/26/21 15:48	SC	XM
Soluble	Analysis	300.0		1	2406	04/28/21 15:30	CH	XM

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH05

Lab Sample ID: 890-567-13

Date Collected: 04/21/21 10:08

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 10:25	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/27/21 00:24	AJ	XM
Soluble	Leach	DI Leach			2723	05/05/21 11:25	CH	XM
Soluble	Analysis	300.0		1	2769	05/06/21 17:00	CH	XM

Client Sample ID: PH06

Lab Sample ID: 890-567-14

Date Collected: 04/21/21 10:12

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 10:46	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/27/21 00:45	AJ	XM
Soluble	Leach	DI Leach			2556	04/30/21 14:42	CH	XM
Soluble	Analysis	300.0		1	2608	05/03/21 17:53	CH	XM

Client Sample ID: PH06

Lab Sample ID: 890-567-15

Date Collected: 04/21/21 10:20

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 11:06	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/27/21 01:06	AJ	XM
Soluble	Leach	DI Leach			2556	04/30/21 14:42	CH	XM
Soluble	Analysis	300.0		1	2608	05/03/21 17:58	CH	XM

Client Sample ID: PH07

Lab Sample ID: 890-567-16

Date Collected: 04/21/21 10:25

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 11:26	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/27/21 01:26	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		1	2446	04/28/21 18:43	SC	XM

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH07

Lab Sample ID: 890-567-17

Date Collected: 04/21/21 10:28

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 11:47	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:10	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/27/21 01:47	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		1	2446	04/28/21 22:24	SC	XM

Client Sample ID: PH08

Lab Sample ID: 890-567-18

Date Collected: 04/21/21 10:32

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 12:07	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:11	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/27/21 02:08	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		1	2446	04/28/21 19:04	SC	XM

Client Sample ID: PH08

Lab Sample ID: 890-567-19

Date Collected: 04/21/21 10:34

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 12:28	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:11	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/27/21 02:29	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		1	2446	04/28/21 19:09	SC	XM

Client Sample ID: PH09

Lab Sample ID: 890-567-20

Date Collected: 04/21/21 10:45

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 12:48	KL	XM
Total/NA	Prep	8015NM Prep			2324	04/26/21 11:11	DM	XM
Total/NA	Analysis	8015B NM		1	2304	04/27/21 02:50	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		1	2446	04/28/21 19:14	SC	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: PH09

Lab Sample ID: 890-567-21

Date Collected: 04/21/21 10:47

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2227	04/26/21 10:30	KL	XM
Total/NA	Analysis	8021B		1	2325	04/27/21 13:09	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/26/21 19:06	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		1	2446	04/28/21 19:30	SC	XM

Client Sample ID: FS02

Lab Sample ID: 890-567-22

Date Collected: 04/21/21 14:56

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 01:06	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/26/21 20:10	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		5	2446	04/28/21 19:35	SC	XM

Client Sample ID: SW01

Lab Sample ID: 890-567-23

Date Collected: 04/21/21 16:14

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 01:27	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/26/21 20:31	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		1	2446	04/28/21 19:40	SC	XM

Client Sample ID: SW02

Lab Sample ID: 890-567-24

Date Collected: 04/21/21 15:47

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 01:47	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/26/21 20:52	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		1	2446	04/28/21 19:45	SC	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: SW03

Lab Sample ID: 890-567-25

Date Collected: 04/21/21 15:56

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 02:08	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/26/21 21:14	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		1	2446	04/28/21 19:50	SC	XM

Client Sample ID: SW04

Lab Sample ID: 890-567-26

Date Collected: 04/21/21 16:03

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 02:28	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/26/21 21:35	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		1	2446	04/28/21 19:55	SC	XM

Client Sample ID: FS01

Lab Sample ID: 890-567-27

Date Collected: 04/22/21 08:17

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 02:49	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/26/21 21:56	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		5	2446	04/28/21 20:11	SC	XM

Client Sample ID: FS03

Lab Sample ID: 890-567-28

Date Collected: 04/22/21 14:32

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 03:09	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/26/21 22:17	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		5	2446	04/28/21 20:16	SC	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: FS04

Lab Sample ID: 890-567-29

Date Collected: 04/22/21 14:55

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 03:30	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/26/21 22:38	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		5	2446	04/28/21 20:32	SC	XM

Client Sample ID: FS05

Lab Sample ID: 890-567-30

Date Collected: 04/22/21 14:37

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 04:51	KL	XM
Total/NA	Prep	8015NM Prep			2326	04/26/21 13:23	DM	XM
Total/NA	Analysis	8015B NM		1	2306	04/26/21 23:00	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		5	2446	04/28/21 20:37	SC	XM

Client Sample ID: FS06

Lab Sample ID: 890-567-31

Date Collected: 04/22/21 16:27

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 05:12	KL	XM
Total/NA	Prep	8015NM Prep			2316	04/26/21 08:55	DM	XM
Total/NA	Analysis	8015B NM		1	2308	04/26/21 16:48	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		10	2446	04/28/21 20:42	SC	XM

Client Sample ID: FS07

Lab Sample ID: 890-567-32

Date Collected: 04/22/21 16:38

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 05:32	KL	XM
Total/NA	Prep	8015NM Prep			2316	04/26/21 08:55	DM	XM
Total/NA	Analysis	8015B NM		1	2308	04/26/21 17:10	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		10	2446	04/28/21 20:47	SC	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Client Sample ID: FS08

Lab Sample ID: 890-567-33

Date Collected: 04/22/21 16:15

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 05:53	KL	XM
Total/NA	Prep	8015NM Prep			2316	04/26/21 08:55	DM	XM
Total/NA	Analysis	8015B NM		1	2308	04/26/21 17:32	AJ	XM
Soluble	Leach	DI Leach			2564	04/30/21 14:59	CH	XM
Soluble	Analysis	300.0		20	2689	05/04/21 19:10	WP	XM

Client Sample ID: FS09

Lab Sample ID: 890-567-34

Date Collected: 04/22/21 16:35

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 06:13	KL	XM
Total/NA	Prep	8015NM Prep			2316	04/26/21 08:55	DM	XM
Total/NA	Analysis	8015B NM		1	2308	04/26/21 17:53	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		5	2446	04/28/21 20:58	SC	XM

Client Sample ID: SW05

Lab Sample ID: 890-567-35

Date Collected: 04/22/21 16:22

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 06:34	KL	XM
Total/NA	Prep	8015NM Prep			2316	04/26/21 08:55	DM	XM
Total/NA	Analysis	8015B NM		1	2308	04/26/21 18:15	AJ	XM
Soluble	Leach	DI Leach			2340	04/26/21 15:53	SC	XM
Soluble	Analysis	300.0		5	2446	04/28/21 21:03	SC	XM

Client Sample ID: SW06

Lab Sample ID: 890-567-36

Date Collected: 04/22/21 16:24

Matrix: Solid

Date Received: 04/23/21 10:07

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2338	04/26/21 15:48	KL	XM
Total/NA	Analysis	8021B		1	2315	04/27/21 06:55	KL	XM
Total/NA	Prep	8015NM Prep			2316	04/26/21 08:55	DM	XM
Total/NA	Analysis	8015B NM		1	2308	04/26/21 18:37	AJ	XM
Soluble	Leach	DI Leach			2341	04/26/21 15:56	SC	XM
Soluble	Analysis	300.0		10	2449	04/28/21 23:24	WP	XM

Laboratory References:

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

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Eurofins Xenco, Carlsbad

Sample Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15

Job ID: 890-567-1
SDG: TE034821014

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-567-1	PH01	Solid	04/21/21 08:26	04/23/21 10:07	- 1
890-567-2	PH01	Solid	04/21/21 08:28	04/23/21 10:07	- 2
890-567-3	PH01	Solid	04/21/21 08:40	04/23/21 10:07	- 4
890-567-4	PH01	Solid	04/21/21 08:55	04/23/21 10:07	- 5
890-567-5	PH01	Solid	04/21/21 09:06	04/23/21 10:07	- 6
890-567-6	PH02	Solid	04/21/21 09:29	04/23/21 10:07	- 1
890-567-7	PH02	Solid	04/21/21 09:32	04/23/21 10:07	- 2
890-567-8	PH03	Solid	04/21/21 09:50	04/23/21 10:07	- 0.5
890-567-9	PH03	Solid	04/21/21 09:53	04/23/21 10:07	- 1
890-567-10	PH04	Solid	04/21/21 09:58	04/23/21 10:07	- 0.5
890-567-11	PH04	Solid	04/21/21 10:00	04/23/21 10:07	- 1
890-567-12	PH05	Solid	04/21/21 10:07	04/23/21 10:07	- 0.5
890-567-13	PH05	Solid	04/21/21 10:08	04/23/21 10:07	- 1
890-567-14	PH06	Solid	04/21/21 10:12	04/23/21 10:07	- 0.5
890-567-15	PH06	Solid	04/21/21 10:20	04/23/21 10:07	- 1
890-567-16	PH07	Solid	04/21/21 10:25	04/23/21 10:07	- 0.5
890-567-17	PH07	Solid	04/21/21 10:28	04/23/21 10:07	- 1
890-567-18	PH08	Solid	04/21/21 10:32	04/23/21 10:07	- 0.5
890-567-19	PH08	Solid	04/21/21 10:34	04/23/21 10:07	- 1
890-567-20	PH09	Solid	04/21/21 10:45	04/23/21 10:07	- 0.5
890-567-21	PH09	Solid	04/21/21 10:47	04/23/21 10:07	- 1
890-567-22	FS02	Solid	04/21/21 14:56	04/23/21 10:07	1 - 2
890-567-23	SW01	Solid	04/21/21 16:14	04/23/21 10:07	0 - 4
890-567-24	SW02	Solid	04/21/21 15:47	04/23/21 10:07	0 - 4
890-567-25	SW03	Solid	04/21/21 15:56	04/23/21 10:07	0 - 4
890-567-26	SW04	Solid	04/21/21 16:03	04/23/21 10:07	0 - 4
890-567-27	FS01	Solid	04/22/21 08:17	04/23/21 10:07	1 - 2
890-567-28	FS03	Solid	04/22/21 14:32	04/23/21 10:07	- 4
890-567-29	FS04	Solid	04/22/21 14:55	04/23/21 10:07	- 4
890-567-30	FS05	Solid	04/22/21 14:37	04/23/21 10:07	- 4
890-567-31	FS06	Solid	04/22/21 16:27	04/23/21 10:07	- 4
890-567-32	FS07	Solid	04/22/21 16:38	04/23/21 10:07	- 4
890-567-33	FS08	Solid	04/22/21 16:15	04/23/21 10:07	- 4
890-567-34	FS09	Solid	04/22/21 16:35	04/23/21 10:07	- 4
890-567-35	SW05	Solid	04/22/21 16:22	04/23/21 10:07	0 - 4
890-567-36	SW06	Solid	04/22/21 16:24	04/23/21 10:07	0 - 4

Eurofins Xenco, Carlsbad

Chain of Custody

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



Environment Testing
Xenco

Work Order No:

www.xenco.com Page 1 of 4

Project Manager:	Joseph Hernandez	Bill to: (if different)	Lynda Laumbach
Company Name:	WSP USA	Company Name:	WLPX Energy
Address:	3300 North A Street	Address:	5315 Burda Vista Dr
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(281) 702-2329	Email:	joe.hernandez@wsp.com

Project Name:	Longview 12-15	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code	
Project Number:	TE034821014	Due Date:			
Project Location:	Eddy County	TAI starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Fatima Smith	Wet Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
PO #:		Thermometer ID:	7001-007		
SAMPLE RECEIPT		Temp Blank:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Samples Received Intact:		Yes/No			
Cooler Custody Seals:		Yes/No			
Sample Custody Seals:		Yes/No			
Total Containers:		Temperature Reading:	5.6		
		Corrected Temperature:	3.4		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes
PH01	S	4/21/21	0826	1'		1	Chloride (EPA 300.0)			None: NO DI Water: H ₂ O
PH01			0828	2'			BTEX (EPA 8015)			Cool: Cool MeOH: Me
PH01			0840	4'			TPH (EPA 0=8021)			HCL: HC HNO ₃ : HN
PH01			0855	5'						H ₂ SO ₄ : H ₂
PH01			0906	6'						H ₃ PO ₄ : HP
PH02			0929	1'						NaHSO ₄ : NABIS
PH02			0932	2'						Na ₂ S ₂ O ₃ : NaSO ₃
PH03			0950	0.5'						Zn Acetate+NaOH: Zn
PH03			0953	1'						NaOH+Ascorbic Acid: SAPC
PH04			0958	0.5'						

Total 200.7/6010 200.8/6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>Fatima Smith</i>	<i>W. Y. Y.</i>	4/23/21 10:00	<i>W. Y. Y.</i>	<i>Joe Laumbach</i>	4-23-21 1007

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

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

Environment Testing
Xenco



Work Order No: _____

www.xenco.com Page 2 of 4

Project Manager:	Joseph Hernandez	Bill to: (if different)	Lynda Laumbach
Company Name:	WSP USA	Company Name:	WSP 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:	joe.hernandez@wsp.com

Program:	US EPA 821	Program:	US EPA 821
State of Project:	Level II	State of Project:	Level III
Reporting:	Level II	Reporting:	Level III
Deliverables:	EDD	Deliverables:	ADAPT
Other:		Other:	

ANALYSIS REQUEST				Preservative Codes	
Project Name:	Turn Around	Pres. Code			
Project Number:	Longview: 12-15	TEO34821014			None: NO
Project Location:	Eddy County				Cool: Cool
Sampler's Name:	Fatima Smith				HCL: HC
PO #:					H ₂ SO ₄ : H ₂
SAMPLE RECEIPT					H ₃ PO ₄ : HP
Samples Received Intact:	Yes No	Temp Blank:	Yes No		NaHSO ₄ : NABIS
Cooler Custody Seals:	Yes No	Thermometer:	Yes No		Na ₂ S ₂ O ₃ : NaSO ₃
Sample Custody Seals:	Yes No	Correction Factor:	Yes No		Zn Acetate+NaOH: Zn
Total Containers:		Temperature Reading:	Yes No		NaOH+Ascorbic Acid: SAPC
		Corrected Temperature:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Sample Comments
PH04	S	4/21/21	1000	1'		1	
PH05			1007	0.5'			
PH05			1008	1'			
PH06			1012	0.5'			
PH06			1020	1'			
PH07			1025	0.5'			
PH07			1028	1'			
PH08			1032	0.5'			
PH08			1034	1'			
PH09			1045	0.5'			

Total 200.7 / 6010	200.8 / 6020:	8RCRA	13PPM	Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed					

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$45.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Fatima	4/21/21 10:00	4/23/21 10:00	4/23/21 10:00	4/23/21 10:00	4/23/21 10:00
3					
5					

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

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



Environment Testing
Xenco

Work Order No:

www.xenco.com Page 3 of 4

Project Manager:	Joseph Hernandez	Bill to: (if different)	Linda Laumbach
Company Name:	WSP USA	Company Name:	WSP USA
Address:	3300 North A Street	Address:	5315 Buena Vista Dr
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(201) 702-2329	Email:	joe.hernandez@wsp.com

Project Name:	Longview 12-15	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST	Preservative Codes
Project Number:	TE034821014	Due Date:					None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm					
Sampler's Name:	Fatima Smith	Wet Ice:	Yes No				
PO #:		Thermometer:	Yes No				
SAMPLE RECEIPT		Temp Blank:	Yes No				
Samples Received Intact:		Yes No	Yes No				
Cooler Custody Seals:		Yes No	N/A				
Sample Custody Seals:		Yes No	N/A				
Total Containers:		Temperature Reading:					
		Corrected Temperature:					

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont
PH09	S	4/21/21	1047	1'		1
FS02			1456	1'-2'		
SW01			1614	0-4'		
SW02			1547	0-4'		
SW03			1556	0-4'		
SW04			1603	0-4'		
FS01		4/22/21	0817	1'-2'		
FS03			1432	4'		
FS04			1456	4'		
FS05			1437	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 SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631/245.1/7470/7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Fatima Smith	W. M. Smith	4/23/21 10:00

Revised Date: 05/25/2020 Rev. 2020.2

Chain of Custody

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



Environment Testing
 Xenco

Work Order No: _____

www.xenco.com Page 4 of 4

Project Manager: Joseph Hernandez
 Company Name: WSP USA
 Address: 3300 North A Street
 City, State ZIP: Midland, TX 79705
 Phone: (201) 702-2329 Email: joe.hernandez@wsp.com

Bill to: (if different)
 Company Name: WSP Energy
 Address: 5315 Buena Vista Dr
 City, State ZIP: Carlsbad, NM 88220

Turn Around
☒ Routine ☐ Rush
 Due Date: TAT starts the day received by the lab, if received by 4:30pm

Temp Blank: ☒ Yes ☐ No
 Thermometer ID: 711M-057
 Correction Factor: -0.2
 Temperature Reading: 3.6
 Corrected Temperature: 3.4

Temp Blank: ☒ Yes ☐ No
 Thermometer ID: 711M-057
 Correction Factor: -0.2
 Temperature Reading: 3.6
 Corrected Temperature: 3.4

Temp Blank: ☒ Yes ☐ No
 Thermometer ID: 711M-057
 Correction Factor: -0.2
 Temperature Reading: 3.6
 Corrected Temperature: 3.4

Project Name: Longview 12-15
 Project Number: TE034821014
 Project Location: Eddy County
 Sampler's Name: Fatima Smith
 P.O. #: _____

Project Manager: Joseph Hernandez
 Company Name: WSP USA
 Address: 3300 North A Street
 City, State ZIP: Midland, TX 79705
 Phone: (201) 702-2329 Email: joe.hernandez@wsp.com

Bill to: (if different)
 Company Name: WSP Energy
 Address: 5315 Buena Vista Dr
 City, State ZIP: Carlsbad, NM 88220

Turn Around
☒ Routine ☐ Rush
 Due Date: TAT starts the day received by the lab, if received by 4:30pm

Temp Blank: ☒ Yes ☐ No
 Thermometer ID: 711M-057
 Correction Factor: -0.2
 Temperature Reading: 3.6
 Corrected Temperature: 3.4

Temp Blank: ☒ Yes ☐ No
 Thermometer ID: 711M-057
 Correction Factor: -0.2
 Temperature Reading: 3.6
 Corrected Temperature: 3.4

Temp Blank: ☒ Yes ☐ No
 Thermometer ID: 711M-057
 Correction Factor: -0.2
 Temperature Reading: 3.6
 Corrected Temperature: 3.4

Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters		Pres. Code	ANALYSIS REQUEST		Preservative Codes	
F506	S	4/22/21	1629	4'	1	1	1	TPH (EPA 821)					None: NO	DI Water: H ₂ O
F507	S	4/22/21	1638	4'	1	1	1	BTEX (EPA 8015)					Cool: Cool	MeOH: Me
F508	S	4/22/21	1615	4'	1	1	1	Chloride (EPA 300.0)					HCL: HC	HNO ₃ : HN
F509	S	4/22/21	1635	4'	1	1	1						H ₂ SO ₄ : H ₂	NaOH: Na
S505	S	4/22/21	1622	0-4'	1	1	1						H ₃ PO ₄ : HP	
S506	S	4/22/21	1624	0-4'	1	1	1						NaHSO ₄ : NABIS	
													Na ₂ S ₂ O ₃ : NaSO ₃	
													Zn Acetate+NaOH: Zn	
													NaOH+Ascorbic Acid: SPC	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
fat	W. Hernandez	4/23/21 1600	W. Hernandez	Cloe Cuyto	4-23-21 1007

Revised Date: 08/25/2020 Rev. 2020.2

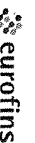
Eurofins Xenco, Carlsbad

1089 N Canal St.

Carlsbad NM 88220

Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

Environment Testing
America

Client Information (Sub Contract Lab)				Sampler	Lab PM	Carrier Tracking No(s)	COC No:					
Client Contact:	Phone:	Kramer, Jessica					890-182-1					
Shipping/Receiving	E-Mail:	Jessica.kramer@eurofins.com					Page 1 of 4					
Company:	Eurofins Xenco		Accreditations Required (See note)	NELAP - Texas			Job #:					
Address:	1211 W Florida Ave	Due Date Requested	4/29/2021				890-567-1					
City:	Midland	TAT Requested (days)										
State Zip:	TX 79701											
Phone:	432-704-5440(Tel)	PO #:										
Email:		WO #:										
Project Name:	Longviewe 12-15	Project #:	88000203									
Site:		SSOV#:										
Sample Identification - Client ID (Lab ID)				Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=other, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note
PH01 (890-567-1)		4/21/21	08 26	Mountain	Solid			X	X			
PH01 (890-567-2)		4/21/21	08 28	Mountain	Solid			X	X			
PH01 (890-567-3)		4/21/21	08 40	Mountain	Solid			X	X			
PH01 (890-567-4)		4/21/21	08 55	Mountain	Solid			X	X			
PH01 (890-567-5)		4/21/21	09 06	Mountain	Solid			X	X			
PH02 (890-567-6)		4/21/21	09 29	Mountain	Solid			X	X			
PH02 (890-567-7)		4/21/21	09 32	Mountain	Solid			X	X			
PH03 (890-567-8)		4/21/21	09 50	Mountain	Solid			X	X			
PH03 (890-567-9)		4/21/21	09 53	Mountain	Solid			X	X			

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon our subcontracted laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.

Possible Hazard Identification

Unconfirmed

Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2

Empty Kit Relinquished by Date Time

Relinquished by *Gaby Ordover* Date/Time *4/23/21* Company

Relinquished by Date/Time Company

Relinquished by Date/Time Company

Custody Seals Intact. Custody Seal No

Δ Yes Δ No

Cooler Temperature(s) °C and Other Remarks.

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Special Instructions/QC Requirements

Method of Shipment: Date/Time: Company

Date/Time: Company

Date/Time: Company

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14

Eurofins Xenco, Carlsbad

1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



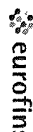
Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No:							
Client Contact	Phone	Kramer Jessica			890-182 2							
Shipping/Receiving	E-Mail	Jessica.kramer@eurofins.com	State of Origin:		Page 2 of 4							
Company	Accreditations Required (See note)	NEIAP - Texas	New Mexico	Job #:	890-567-1							
Eurofins Xenco	Due Date Requested	4/29/2021	Analysis Requested	Preservation Codes								
Address:	1211 W Florida Ave			A HCL	M Hexane							
City	Midland	TAT Requested (days)		B NaOH	N None							
State Zip:	TX, 79701			C - Zn Acetate	O AsNaO2							
Phone:	432-704-5440(Tel)	PO #		D - Nitric Acid	P Na2O4S							
Email		WO #		E NaHSO4	Q Na2SO3							
Project Name	Longviewe 12-15	Project #		F MeOH	R Na2S2O3							
Site:	SSOV#	SSOV#		G - Amchlor	S H2SO4							
				H - Ascorbic Acid	T TSP Dodecylhydrate							
				I Ice	U Acetone							
				J DI Water	V MCAA							
				K EDTA	W pH 4-5							
				L EDA	Z other (Specify)							
				Other:								
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFMM_28D/DI_LEACH Chloride	8015MOD_NM/8016NM_S_Prep Full TPH	8021B/8035FP_Calc BTEX	Total Number of containers	Special Instructions/Note
PH04 (890-567-10)	4/21/21	09 58	Mountain		Solid		X	X	X			
PH04 (890-567-11)	4/21/21	10 00	Mountain		Solid		X	X	X			
PH05 (890-567-12)	4/21/21	10 07	Mountain		Solid		X	X	X			
PH05 (890-567-13)	4/21/21	10 08	Mountain		Solid		X	X	X			
PH06 (890-567-14)	4/21/21	10 12	Mountain		Solid		X	X	X			
PH06 (890-567-15)	4/21/21	10 20	Mountain		Solid		X	X	X			
PH07 (890-567-16)	4/21/21	10 25	Mountain		Solid		X	X	X			
PH07 (890-567-17)	4/21/21	10 28	Mountain		Solid		X	X	X			
PH08 (890-567-18)	4/21/21	10 32	Mountain		Solid		X	X	X			
<p>Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analytestestmatrix being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.</p>												
Possible Hazard Identification												
Unconfirmed												
Deliverable Requested: I II III, IV Other (specify) Primary Deliverable Rank 2												
Empty Kit Relinquished by												
Relinquished by: <i>Gabeby Dionez</i> Date/Time: 4/23/21 Company: <i>[Signature]</i> Received by: <i>[Signature]</i> Date/Time: 4-26-21 8:30am Company: <i>[Signature]</i>												
Relinquished by: Date/Time: Company: Received by: Date/Time: Company:												
Custody Seals Intact Custody Seal No												
<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No												
Coder Temperature(s) °C and Other Remarks:												

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220

1089 N Canal St.
Carlsbad, NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing America

Client Information (Sub Contract Lab)						Sampler
Client Contact:			Shipping/Receiving			Phone
Company:			Eurofins Xenco			E-Mail jessica.kramer@eurofinet.com
Address:			Due Date Requested			Lab PM Kramer Jessica
City:			1211 W Florida Ave			Carrier Tracking No(s)
Midland			TAT Requested (days)			State of Origin: New Mexico
State, Zip TX, 79701						COC No.: 890-182 3
Phone: 432-704-5440(Tel)			PO #:			Page Page 3 of 4
Email:			WQ #:			Job #: 890-567-1
Project Name: Longviewe 12-15			Project #: 88000203			Preservation Codes
Site:			SSON#:			A HCL M Hexane B NaOH N None C Zn Acetate O AsNaO2 D Nitric Acid P Na2OAS E NH4SO4 Q Na2SC3 F MeOH R Na2S2O3 G Amchlor S H2SO4 H Ascorbic Acid T TSP Dodecylhydrate I Ice U - Acetone J DI Water V MCAA K EDTA W pH 4-5 L EDA Z other (specify) Other _____
Sample Identification - Client ID (Lab ID)						Total Number of containers
PH08 (890-567-19)						1
PH09 (890-567-20)						1
PH09 (890-567-21)						1
FS02 (890-567-22)						1
SWD01 (890-567-23)						1
SWD02 (890-567-24)						1
SWD03 (890-567-25)						1
SWD04 (890-567-26)						1
FS01 (890-567-27)						1

Date/Time: 4/12/21

Date/Time:

Date/Time:

Company

Company

Company

Received by: [Signature]

Received by:

Received by:

Date/Time: 4-26-21 8:30AM

Date/Time:

Date/Time:

Company

Company

Company

Relinquished by: Barbara Ordover

Relinquished by:

Relinquished by:

Custody Seals Intact

Custody Seal No

Δ Yes Δ No

Cooler Temperature(s) °C and Other Remarks.

Primary Deliverable Rank 2

Special Instructions/QCC Requirements

Method of Shipment:

Unconfirmed

Deliverable Requested I II III IV Other (specify)

Empty Kit Relinquished by

Relinquished by

Relinquished by

Relinquished by

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client

☐ Disposal By Lab

☐ Archive For Months

Special Instructions/QCC Requirements

Analysis Requested

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

300_ORGFM_28D/DI_LEACH Chloride

8015MOD_NM/8015NM_S_Prep Full TPH

8021B/5035FP_Calc BTEX

Preservation Codes

A HCL M Hexane
B NaOH N None
C Zn Acetate O AsNaO2
D Nitric Acid P Na2OAS
E NH4SO4 Q Na2SC3
F MeOH R Na2S2O3
G Amchlor S H2SO4
H Ascorbic Acid T TSP Dodecylhydrate
I Ice U - Acetone
J DI Water V MCAA
K EDTA W pH 4-5
L EDA Z other (specify)

Other _____

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method, analysis & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/method being analyzed, the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Xenco LLC.

Possible Hazard Identification

Unconfirmed

Deliverable Requested I II III IV Other (specify)

Empty Kit Relinquished by

Relinquished by

Relinquished by

Relinquished by

Custody Seals Intact

Custody Seal No

Δ Yes Δ No

Cooler Temperature(s) °C and Other Remarks.

Primary Deliverable Rank 2

Special Instructions/QCC Requirements

Method of Shipment:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client

☐ Disposal By Lab

☐ Archive For Months

Special Instructions/QCC Requirements

Analysis Requested

Field Filtered Sample (Yes or No)

Perform MS/MSD (Yes or No)

300_ORGFM_28D/DI_LEACH Chloride

8015MOD_NM/8015NM_S_Prep Full TPH

8021B/5035FP_Calc BTEX

Preservation Codes

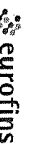
A HCL M Hexane
B NaOH N None
C Zn Acetate O AsNaO2
D Nitric Acid P Na2OAS
E NH4SO4 Q Na2SC3
F MeOH R Na2S2O3
G Amchlor S H2SO4
H Ascorbic Acid T TSP Dodecylhydrate
I Ice U - Acetone
J DI Water V MCAA
K EDTA W pH 4-5
L EDA Z other (specify)

Other _____

Eurofins Xenco, Carlsbad

1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab)		Sampler		Lab PM		Carrier Tracking No(s)		COC No:	
Client Contact: Shipping/Receiving		Phone:		E-Mail: Jessica Kramer@eurofins.com		State of Origin: New Mexico		890-182 4	
Company: Eurofins Xenco		Due Date Requested: 4/29/2021		Accreditations Required (See note): NELAP - Texas		Job #:		Page 4 of 4	
Address: 1211 W. Florida Ave		TAT Requested (days):		Analysis Requested		Preservation Codes		Special Instructions/Note:	
City: Midland		State, Zip: TX, 79701		PO #:		Project #:		Site	
Phone: 432-704-5440(Tel)		W/O #:		Project #:		SSOW#:		Other:	
Email: Longview 12-15		Project #:		SSOW#:		Project #:		Other:	
Project Name: Longview 12-15		Project #:		SSOW#:		Project #:		Other:	
Site		SSOW#:		Project #:		SSOW#:		Other:	
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix (W=Water, S=solid, O=washoil, B=Trace, A=Air)	
FS03 (890-567-28)		4/22/21		14 32		Mountain		Solid	
FS04 (890-567-29)		4/22/21		14 55		Mountain		Solid	
FS05 (890-567-30)		4/22/21		14 37		Mountain		Solid	
FS06 (890-567-31)		4/22/21		16 27		Mountain		Solid	
FS07 (890-567-32)		4/22/21		16 38		Mountain		Solid	
FS08 (890-567-33)		4/22/21		16 15		Mountain		Solid	
FS09 (890-567-34)		4/22/21		16 35		Mountain		Solid	
SW05 (890-567-35)		4/22/21		16 22		Mountain		Solid	
SW06 (890-567-36)		4/22/21		16 24		Mountain		Solid	
Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		300_ORGFM_28D/DI_LEACH Chloride		8015MOD_NM/8015NM_S_Prep Full TPH		8021B/6036FP_Calc BTEX	
Total Number of containers		1		1		1		1	
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		<input type="checkbox"/> Return To Client		<input type="checkbox"/> Disposal By Lab		<input type="checkbox"/> Archive For		Months	
Unconfirmed		Deliverable Requested I II III IV Other (Specify)		Primary Deliverable Rank 2		Special Instructions/QC Requirements		Method of Shipment:	
Empty Kit Relinquished by		Date/Time		Company		Received by		Date/Time	
Relinquished by: Garry Orbanet		4/23/21		Company		Received by: William Lopez		4-20-21 9:30 AM	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:	
Custody Seals Intact		Custody Seal No		Cooler Temperature(s) °C and Other Remarks		Ver 11/01/2020			

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-567-1

SDG Number: TE034821014

Login Number: 567**List Number: 1****Creator: Clifton, Cloe****List Source: Eurofins Carlsbad**

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-567-1
SDG Number: TE034821014**Login Number: 567****List Number: 2****Creator: Copeland, Tatiana****List Source: Eurofins Midland****List Creation: 04/26/21 09:15 AM**

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-665-1

Laboratory Sample Delivery Group: TE034821014

Client Project/Site: Longview 12-15H

For:

WSP USA Inc.
2777 N. Stemmons Freeway
Suite 1600
Dallas, Texas 75207

Attn: Joseph Hernandez

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

Authorized for release by:
5/18/2021 4:51:48 PM

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

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

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

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Laboratory Job ID: 890-665-1
SDG: TE034821014

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-665-1
SDG: TE034821014

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-665-1
SDG: TE034821014

Job ID: 890-665-1

Laboratory: Eurofins Xenco, Carlsbad**Narrative**

**Job Narrative
890-665-1**

Receipt

The samples were received on 5/13/2021 9:24 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS07A (890-665-1) and FS08A (890-665-2).

GC VOA

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-3118 recovered above the upper control limit for Benzene and Toluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: FS07A (890-665-1), FS08A (890-665-2) and (CCV 880-3118/20).

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

GC Semi VOA

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

HPLC/IC

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-665-1
SDG: TE034821014

Client Sample ID: FS07A

Lab Sample ID: 890-665-1

Date Collected: 05/11/21 08:10

Matrix: Solid

Date Received: 05/13/21 09:24

Sample Depth: - 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		05/14/21 13:30	05/14/21 20:12	1
Toluene	<0.00202	U	0.00202	mg/Kg		05/14/21 13:30	05/14/21 20:12	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		05/14/21 13:30	05/14/21 20:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		05/14/21 13:30	05/14/21 20:12	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		05/14/21 13:30	05/14/21 20:12	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		05/14/21 13:30	05/14/21 20:12	1
Total BTEX	<0.00404	U	0.00404	mg/Kg		05/14/21 13:30	05/14/21 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/14/21 13:30	05/14/21 20:12	1
1,4-Difluorobenzene (Surr)	99		70 - 130	05/14/21 13:30	05/14/21 20:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/14/21 13:14	05/15/21 23:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/14/21 13:14	05/15/21 23:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/14/21 13:14	05/15/21 23:29	1
Total TPH	<49.9	U	49.9	mg/Kg		05/14/21 13:14	05/15/21 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	05/14/21 13:14	05/15/21 23:29	1
o-Terphenyl	97		70 - 130	05/14/21 13:14	05/15/21 23:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2130		25.2	mg/Kg			05/18/21 13:49	5

Client Sample ID: FS08A

Lab Sample ID: 890-665-2

Date Collected: 05/11/21 08:12

Matrix: Solid

Date Received: 05/13/21 09:24

Sample Depth: - 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/14/21 13:30	05/14/21 20:38	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/14/21 13:30	05/14/21 20:38	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/14/21 13:30	05/14/21 20:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		05/14/21 13:30	05/14/21 20:38	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/14/21 13:30	05/14/21 20:38	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/14/21 13:30	05/14/21 20:38	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		05/14/21 13:30	05/14/21 20:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/14/21 13:30	05/14/21 20:38	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/14/21 13:30	05/14/21 20:38	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-665-1
SDG: TE034821014

Client Sample ID: FS08A

Lab Sample ID: 890-665-2

Date Collected: 05/11/21 08:12

Matrix: Solid

Date Received: 05/13/21 09:24

Sample Depth: - 4.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/14/21 13:14	05/15/21 23:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/14/21 13:14	05/15/21 23:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/14/21 13:14	05/15/21 23:49	1
Total TPH	<49.9	U	49.9	mg/Kg		05/14/21 13:14	05/15/21 23:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	05/14/21 13:14	05/15/21 23:49	1
o-Terphenyl	100		70 - 130	05/14/21 13:14	05/15/21 23:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	591		5.05	mg/Kg			05/18/21 13:54	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-665-1
SDG: TE034821014

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-665-1	FS07A	109	99
890-665-2	FS08A	109	102
LCS 880-3114/1-A	Lab Control Sample	97	106
LCSD 880-3114/2-A	Lab Control Sample Dup	81	114
MB 880-3114/5-A	Method Blank	73	82
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-665-1	FS07A	94	97
890-665-2	FS08A	94	100
LCS 880-3125/2-A	Lab Control Sample	104	98
LCSD 880-3125/3-A	Lab Control Sample Dup	106	98
MB 880-3125/1-A	Method Blank	98	103
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-665-1
SDG: TE034821014

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3114/5-A

Matrix: Solid

Analysis Batch: 3118

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3114

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/14/21 10:38	05/14/21 13:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/14/21 10:38	05/14/21 13:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/14/21 10:38	05/14/21 13:53	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/14/21 10:38	05/14/21 13:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/14/21 10:38	05/14/21 13:53	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/14/21 10:38	05/14/21 13:53	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/14/21 10:38	05/14/21 13:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	05/14/21 10:38	05/14/21 13:53	1
1,4-Difluorobenzene (Surr)	82		70 - 130	05/14/21 10:38	05/14/21 13:53	1

Lab Sample ID: LCS 880-3114/1-A

Matrix: Solid

Analysis Batch: 3118

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.1097		mg/Kg		110	70 - 130
Toluene	0.100	0.1009		mg/Kg		101	70 - 130
Ethylbenzene	0.100	0.1105		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	0.200	0.2129		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1002		mg/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: LCSD 880-3114/2-A

Matrix: Solid

Analysis Batch: 3118

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3114

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.1006		mg/Kg		101	70 - 130	9	35
Toluene	0.100	0.09776		mg/Kg		98	70 - 130	3	35
Ethylbenzene	0.100	0.1072		mg/Kg		107	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.2092		mg/Kg		105	70 - 130	2	35
o-Xylene	0.100	0.1007		mg/Kg		101	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	81		70 - 130
1,4-Difluorobenzene (Surr)	114		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-665-1
SDG: TE034821014

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

Lab Sample ID: MB 880-3125/1-A

Matrix: Solid

Analysis Batch: 3146

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3125

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/14/21 13:14	05/15/21 17:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/14/21 13:14	05/15/21 17:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/14/21 13:14	05/15/21 17:31	1
Total TPH	<50.0	U	50.0	mg/Kg		05/14/21 13:14	05/15/21 17:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	05/14/21 13:14	05/15/21 17:31	1
o-Terphenyl	103		70 - 130	05/14/21 13:14	05/15/21 17:31	1

Lab Sample ID: LCS 880-3125/2-A

Matrix: Solid

Analysis Batch: 3146

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3125

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	924.7		mg/Kg		92	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1036		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	98		70 - 130

Lab Sample ID: LCSD 880-3125/3-A

Matrix: Solid

Analysis Batch: 3146

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3125

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	950.6		mg/Kg		95	70 - 130	199	20
Diesel Range Organics (Over C10-C28)	1000	1051		mg/Kg		105	70 - 130	197	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	98		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3181/1-A

Matrix: Solid

Analysis Batch: 3182

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			05/18/21 12:26	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-665-1
SDG: TE034821014

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-3181/2-A

Matrix: Solid

Analysis Batch: 3182

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	252.8		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-3181/3-A

Matrix: Solid

Analysis Batch: 3182

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	249.8		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-665-2 MS

Matrix: Solid

Analysis Batch: 3182

Client Sample ID: FS08A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	591		253	832.0		mg/Kg		96	90 - 110		

Lab Sample ID: 890-665-2 MSD

Matrix: Solid

Analysis Batch: 3182

Client Sample ID: FS08A

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	591		253	824.7		mg/Kg		93	90 - 110	1	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-665-1
SDG: TE034821014

GC VOA

Prep Batch: 3114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-665-1	FS07A	Total/NA	Solid	5035	
890-665-2	FS08A	Total/NA	Solid	5035	
MB 880-3114/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3114/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3114/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 3118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-665-1	FS07A	Total/NA	Solid	8021B	3114
890-665-2	FS08A	Total/NA	Solid	8021B	3114
MB 880-3114/5-A	Method Blank	Total/NA	Solid	8021B	3114
LCS 880-3114/1-A	Lab Control Sample	Total/NA	Solid	8021B	3114
LCSD 880-3114/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3114

GC Semi VOA

Prep Batch: 3125

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-665-1	FS07A	Total/NA	Solid	8015NM Prep	
890-665-2	FS08A	Total/NA	Solid	8015NM Prep	
MB 880-3125/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3125/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3125/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 3146

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-665-1	FS07A	Total/NA	Solid	8015B NM	3125
890-665-2	FS08A	Total/NA	Solid	8015B NM	3125
MB 880-3125/1-A	Method Blank	Total/NA	Solid	8015B NM	3125
LCS 880-3125/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3125
LCSD 880-3125/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3125

HPLC/IC

Leach Batch: 3181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-665-1	FS07A	Soluble	Solid	DI Leach	
890-665-2	FS08A	Soluble	Solid	DI Leach	
MB 880-3181/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3181/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3181/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-665-2 MS	FS08A	Soluble	Solid	DI Leach	
890-665-2 MSD	FS08A	Soluble	Solid	DI Leach	

Analysis Batch: 3182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-665-1	FS07A	Soluble	Solid	300.0	3181
890-665-2	FS08A	Soluble	Solid	300.0	3181
MB 880-3181/1-A	Method Blank	Soluble	Solid	300.0	3181
LCS 880-3181/2-A	Lab Control Sample	Soluble	Solid	300.0	3181
LCSD 880-3181/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3181
890-665-2 MS	FS08A	Soluble	Solid	300.0	3181

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-665-1
SDG: TE034821014

HPLC/IC (Continued)

Analysis Batch: 3182 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-665-2 MSD	FS08A	Soluble	Solid	300.0	3181

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

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-665-1
SDG: TE034821014

Client Sample ID: FS07A

Lab Sample ID: 890-665-1

Date Collected: 05/11/21 08:10

Matrix: Solid

Date Received: 05/13/21 09:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3114	05/14/21 13:30	MR	XM
Total/NA	Analysis	8021B		1	3118	05/14/21 20:12	MR	XM
Total/NA	Prep	8015NM Prep			3125	05/14/21 13:14	DM	XM
Total/NA	Analysis	8015B NM		1	3146	05/15/21 23:29	AJ	XM
Soluble	Leach	DI Leach			3181	05/17/21 15:21	CH	XM
Soluble	Analysis	300.0		5	3182	05/18/21 13:49	CH	XM

Client Sample ID: FS08A

Lab Sample ID: 890-665-2

Date Collected: 05/11/21 08:12

Matrix: Solid

Date Received: 05/13/21 09:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3114	05/14/21 13:30	MR	XM
Total/NA	Analysis	8021B		1	3118	05/14/21 20:38	MR	XM
Total/NA	Prep	8015NM Prep			3125	05/14/21 13:14	DM	XM
Total/NA	Analysis	8015B NM		1	3146	05/15/21 23:49	AJ	XM
Soluble	Leach	DI Leach			3181	05/17/21 15:21	CH	XM
Soluble	Analysis	300.0		1	3182	05/18/21 13:54	CH	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-665-1
SDG: TE034821014

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-665-1
SDG: TE034821014

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-665-1
SDG: TE034821014

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-665-1	FS07A	Solid	05/11/21 08:10	05/13/21 09:24	- 4.5
890-665-2	FS08A	Solid	05/11/21 08:12	05/13/21 09:24	- 4.5

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Environment Testing

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1266
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199


Chain of Custody

Work Order No: _____

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Project Manager:	Joseph Hernandez	Bill to: (if different)	Lynnda Laumbach
Company Name:	WSP USA	Company Name:	WSP 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:	joe.hernandez@wsp.com

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

Project Name:	Longview 12-15H	Turn Around	
Project Number:	TE034821014	<input checked="" type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
Project Location:	Eddy County	Due Date:	3 DAYS
Sampler's Name:	Fatma Smith	TAT starts the day received by the lab. If received by 4:30pm	
P.O. #:			
SAMPLE RECEIPT		Temp Blank:	Wet Ice:
Samples Received Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	1.4
Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Temperature Reading:	1.4
Total Containers:		Corrected Temperature:	
Parameters		Pres. Code	
4 (EPA 0 = 8021)			
X (EPA 8015)			
Circle (EPA 300.0)			
ANALYSIS REQUEST			
890-666 Chain of Custody			
			
Preservative Codes			
None: NO	DI Water: H ₂ O		
Cool: Cool	MeOH: Me		
HCL: HC	HNO ₃ : HN		
H ₂ SO ₄ : H ₂	NaOH: Na		
H ₃ PO ₄ : HP			
NaHSO ₄ : NABIS			
Na ₂ S ₂ O ₃ : NaSO ₃			
Zn Acetate+NaOH: Zn			
NaOH+Ascorbic Acid: SACP			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	TPH	BTEX	Chlorides	Sample Comments
E607A	S	5/11/21	0810	4.5'		1				
E608A	S	5/11/21	0812	4.5'		1				
1440										

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

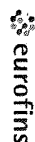
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xeno, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xeno will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xeno. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xeno, 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
<i>[Signature]</i>	<i>[Signature]</i>	5/13/12	<i>[Signature]</i>	<i>[Signature]</i>	5/13/12

Eurofins Xenco, Carlsbad

1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing
America

[illegible]

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-665-1

SDG Number: TE034821014

Login Number: 665

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-665-1

SDG Number: TE034821014

Login Number: 665

List Number: 2

Creator: Copeland, Tatiana

List Source: Eurofins Midland

List Creation: 05/14/21 11:11 AM

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Xenco, Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-668-1

Laboratory Sample Delivery Group: TE034821014

Client Project/Site: Longview 12-15H

For:

WSP USA Inc.
2777 N. Stemmons Freeway
Suite 1600
Dallas, Texas 75207

Attn: Joseph Hernandez

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

Authorized for release by:
5/18/2021 4:55:20 PM

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

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

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

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Laboratory Job ID: 890-668-1
SDG: TE034821014

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-668-1
SDG: TE034821014

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-668-1
SDG: TE034821014

Job ID: 890-668-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-668-1

Receipt

The sample was received on 5/13/2021 9:24 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS10 (890-668-1).

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-668-1
SDG: TE034821014

Client Sample ID: FS10

Lab Sample ID: 890-668-1

Date Collected: 05/11/21 08:15

Matrix: Solid

Date Received: 05/13/21 09:24

Sample Depth: - 4.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		05/14/21 13:30	05/15/21 09:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/14/21 13:30	05/15/21 09:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/14/21 13:30	05/15/21 09:18	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/14/21 13:30	05/15/21 09:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/14/21 13:30	05/15/21 09:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/14/21 13:30	05/15/21 09:18	1
Total BTEX	<0.00402	U	0.00402		mg/Kg		05/14/21 13:30	05/15/21 09:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/14/21 13:30	05/15/21 09:18	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/14/21 13:30	05/15/21 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		05/14/21 15:47	05/15/21 01:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/21 15:47	05/15/21 01:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/21 15:47	05/15/21 01:29	1
Total TPH	<49.9	U	49.9		mg/Kg		05/14/21 15:47	05/15/21 01:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	05/14/21 15:47	05/15/21 01:29	1
o-Terphenyl	112		70 - 130	05/14/21 15:47	05/15/21 01:29	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	589		4.98		mg/Kg			05/18/21 15:14	1

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-668-1
SDG: TE034821014

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-668-1	FS10	112	101
LCS 880-3119/1-A	Lab Control Sample	104	100
LCSD 880-3119/2-A	Lab Control Sample Dup	105	98
MB 880-3104/5-A	Method Blank	106	94
MB 880-3119/5-A	Method Blank	108	94
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-668-1	FS10	107	112
890-668-1 MS	FS10	100	93
890-668-1 MSD	FS10	98	90
LCS 880-3136/2-A	Lab Control Sample	104	97
LCSD 880-3136/3-A	Lab Control Sample Dup	103	98
MB 880-3136/1-A	Method Blank	128	133 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-668-1
SDG: TE034821014

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3104/5-A

Matrix: Solid

Analysis Batch: 3103

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3104

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/21 10:11	05/14/21 13:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/21 10:11	05/14/21 13:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/21 10:11	05/14/21 13:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/14/21 10:11	05/14/21 13:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/21 10:11	05/14/21 13:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/21 10:11	05/14/21 13:16	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/14/21 10:11	05/14/21 13:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	05/14/21 10:11	05/14/21 13:16	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/14/21 10:11	05/14/21 13:16	1

Lab Sample ID: MB 880-3119/5-A

Matrix: Solid

Analysis Batch: 3103

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3119

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/21 11:07	05/15/21 00:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/21 11:07	05/15/21 00:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/21 11:07	05/15/21 00:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/14/21 11:07	05/15/21 00:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/21 11:07	05/15/21 00:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/21 11:07	05/15/21 00:52	1
Total BTEX	<0.00400	U	0.00400		mg/Kg		05/14/21 11:07	05/15/21 00:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	05/14/21 11:07	05/15/21 00:52	1
1,4-Difluorobenzene (Surr)	94		70 - 130	05/14/21 11:07	05/15/21 00:52	1

Lab Sample ID: LCS 880-3119/1-A

Matrix: Solid

Analysis Batch: 3103

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3119

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.08144		mg/Kg		81	70 - 130
Toluene	0.100	0.09298		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09950		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	0.200	0.2012		mg/Kg		101	70 - 130
o-Xylene	0.100	0.1027		mg/Kg		103	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-668-1
SDG: TE034821014

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

Lab Sample ID: LCSD 880-3119/2-A

Matrix: Solid

Analysis Batch: 3103

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3119

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08105		mg/Kg		81	70 - 130	0	35
Toluene	0.100	0.09352		mg/Kg		94	70 - 130	1	35
Ethylbenzene	0.100	0.09917		mg/Kg		99	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.1997		mg/Kg		100	70 - 130	1	35
o-Xylene	0.100	0.1024		mg/Kg		102	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

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

Lab Sample ID: MB 880-3136/1-A

Matrix: Solid

Analysis Batch: 3108

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3136

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/21 15:47	05/15/21 00:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/21 15:47	05/15/21 00:26	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/21 15:47	05/15/21 00:26	1
Total TPH	<50.0	U	50.0		mg/Kg		05/14/21 15:47	05/15/21 00:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	05/14/21 15:47	05/15/21 00:26	1
o-Terphenyl	133	S1+	70 - 130	05/14/21 15:47	05/15/21 00:26	1

Lab Sample ID: LCS 880-3136/2-A

Matrix: Solid

Analysis Batch: 3108

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3136

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	898.1		mg/Kg		90	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1059		mg/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-3136/3-A

Matrix: Solid

Analysis Batch: 3108

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3136

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	889.0		mg/Kg		89	70 - 130	1	20

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-668-1
SDG: TE034821014

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

Lab Sample ID: LCSD 880-3136/3-A

Matrix: Solid

Analysis Batch: 3108

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3136

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Diesel Range Organics (Over C10-C28)	1000	1061		mg/Kg		106	70 - 130	0	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	103		70 - 130						
o-Terphenyl	98		70 - 130						

Lab Sample ID: 890-668-1 MS

Matrix: Solid

Analysis Batch: 3108

Client Sample ID: FS10

Prep Type: Total/NA

Prep Batch: 3136

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	964.3		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1149		mg/Kg		115	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	93		70 - 130								

Lab Sample ID: 890-668-1 MSD

Matrix: Solid

Analysis Batch: 3108

Client Sample ID: FS10

Prep Type: Total/NA

Prep Batch: 3136

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	967.3		mg/Kg		95	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	<49.9	U	996	1103		mg/Kg		111	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	90		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3181/1-A

Matrix: Solid

Analysis Batch: 3182

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			05/18/21 12:26	1

Lab Sample ID: LCS 880-3181/2-A

Matrix: Solid

Analysis Batch: 3182

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Chloride	250	252.8		mg/Kg		101	90 - 110		

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-668-1
SDG: TE034821014

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-3181/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 3182											
Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit		
Chloride	250	249.8		mg/Kg		100	90 - 110	1	20		

QC Association Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-668-1
SDG: TE034821014

GC VOA

Analysis Batch: 3103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-668-1	FS10	Total/NA	Solid	8021B	3119
MB 880-3104/5-A	Method Blank	Total/NA	Solid	8021B	3104
MB 880-3119/5-A	Method Blank	Total/NA	Solid	8021B	3119
LCS 880-3119/1-A	Lab Control Sample	Total/NA	Solid	8021B	3119
LCSD 880-3119/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3119

Prep Batch: 3104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-3104/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 3119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-668-1	FS10	Total/NA	Solid	5035	
MB 880-3119/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3119/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3119/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 3108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-668-1	FS10	Total/NA	Solid	8015B NM	3136
MB 880-3136/1-A	Method Blank	Total/NA	Solid	8015B NM	3136
LCS 880-3136/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3136
LCSD 880-3136/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3136
890-668-1 MS	FS10	Total/NA	Solid	8015B NM	3136
890-668-1 MSD	FS10	Total/NA	Solid	8015B NM	3136

Prep Batch: 3136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-668-1	FS10	Total/NA	Solid	8015NM Prep	
MB 880-3136/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3136/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3136/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-668-1 MS	FS10	Total/NA	Solid	8015NM Prep	
890-668-1 MSD	FS10	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 3181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-668-1	FS10	Soluble	Solid	DI Leach	
MB 880-3181/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3181/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3181/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 3182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-668-1	FS10	Soluble	Solid	300.0	3181
MB 880-3181/1-A	Method Blank	Soluble	Solid	300.0	3181
LCS 880-3181/2-A	Lab Control Sample	Soluble	Solid	300.0	3181
LCSD 880-3181/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3181

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-668-1
SDG: TE034821014

Client Sample ID: FS10
Date Collected: 05/11/21 08:15
Date Received: 05/13/21 09:24

Lab Sample ID: 890-668-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3119	05/14/21 13:30	MR	XM
Total/NA	Analysis	8021B		1	3103	05/15/21 09:18	MR	XM
Total/NA	Prep	8015NM Prep			3136	05/14/21 15:47	DM	XM
Total/NA	Analysis	8015B NM		1	3108	05/15/21 01:29	AJ	XM
Soluble	Leach	DI Leach			3181	05/17/21 15:21	CH	XM
Soluble	Analysis	300.0		1	3182	05/18/21 15:14	CH	XM

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-668-1
SDG: TE034821014

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-668-1
SDG: TE034821014

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Longview 12-15H

Job ID: 890-668-1
SDG: TE034821014

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-668-1	FS10	Solid	05/11/21 08:15	05/13/21 09:24	- 4.5

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



Environment Testing

Chain of Custody

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Joseph Hernandez	Bill to: (if different)	Lynnda Laumbach
Company Name:	WSP USA	Company Name:	WSP Energy
Address:	3300 North A Street	Address:	5315 Buena Vista Dr
City/State/Zip:	Midland, TX 79705	City/State/Zip:	Carlsbad, NM 88220
Phone:	281-702-2339	Email:	joe.hernandez@wsp.com

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

Project Name:	Longview 12-15H	Turn Around	3 days
Project Number:	TE034621014	Due Date:	3 days
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm	
Sample's Name:	Fatima Smith		

P.O. #:		Temp Blank:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID:	7042007	Wet Ice:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
SAMPLE RECEIPT		Cooler Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Correction Factor:	-0.2	Sample Custody Seals:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Samples Received Intact:		Temperature Reading:	1.6	Corrected Temperature:	1.4		
Total Containers:							



890-668 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Preservative Codes	Sample Comments
ES10	S	5/11/21	08:15	4.5'		1	TPH (EPA 801.1) BTEX (EPA 801.5) Chloride (EPA 800.0)	None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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

Relinquished By: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Fatima	Anna Byers	5/13/21 09:21	Anna Byers	Anna Byers	5/13/21 09:21

Eurofins Xenco. Carlsbad

1080 N. Campbell Ct.

Carlsbad NM 88220

Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing America

[illegible]

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-668-1

SDG Number: TE034821014

Login Number: 668

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-668-1

SDG Number: TE034821014

Login Number: 668

List Number: 2

Creator: Copeland, Tatiana

List Source: Eurofins Midland

List Creation: 05/14/21 11:13 AM

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

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 35467

CONDITIONS

Operator: WPX Energy Permian, LLC Devon Energy - Regulatory Oklahoma City, OK 73102	OGRID: 246289
	Action Number: 35467
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
ceads	None	7/20/2021