

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	NAPP2036554434
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy	OGRID 5380
Contact Name Kyle Littrell	Contact Telephone 432-221-7331
Contact email Kyle_Littrell@xtoenergy.com	Incident # (assigned by OCD)
Contact mailing address 522 W. Mermod, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.38116 Longitude -103.88619
(NAD 83 in decimal degrees to 5 decimal places)

Site Name JRU DI 1A Ennis 114H	Site Type well head
Date Release Discovered 12/19/2020	API# (if applicable)

Unit Letter	Section	Township	Range	County
G	21	22S	30E	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)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Produced Water	Volume Released (bbls) 30	Volume Recovered (bbls) 0
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	☐ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Suction valve failed on the blender, causing fluids to release. A third-party contractor has been retained for remediation activities.

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Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? A release equal to or greater than 25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, by Kyle Littrell to Bratcher, Mike, EMNRD'; 'Hamlet, Robert, EMNRD'; 'Venegas, Victoria, EMNRD'; BLM_NM_CFO_Spill@blm.gov'; 'Morgan, Crisha A'; 'emily.hernandez@state.nm.us' on Sunday, December 20, 2020 12:04 PM via email	

Initial Response

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

☒ The source of the release has been stopped.	
☒ The impacted area has been secured to protect human health and the environment.	
☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: NA	
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: Kyle Littrell	Title: SH&E Supervisor
Signature: 	Date: 12-30-20
email: Kyle_Littrell@xtoenergy.com	Telephone: 432-221-7331
<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?	<u>>100</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☒ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

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: Adrian Baker Title: SSHE Coordinator

Signature: Adrian Baker Date: 9/8/2021

email: Adrian.Baker@exxonmobil.com Telephone: (432)-236-3808

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2036554434
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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: Adrian Baker Title: SSHE Coordinator

Signature: Adrian Baker Date: 9/8/2021

email: Adrian.Baker@exxonmobil.com Telephone: (432)-236-3808

OCD Only

Received by: Chad Hensley Date: 10/07/2021

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

Closure Approved by: Chad Hensley Date: 10/07/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced



WSP USA

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

September 10, 2021

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

**RE: Closure Request
JRU DI 1A Ennis 114H
Incident Number NAPP2036554434
Eddy County, New Mexico**

To Whom It May Concern:

WSP USA Inc. (WSP) on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment, soil sampling, and excavation activities at the JRU DI 1A Ennis 114H (Site) in Unit G, Section 21, Township 22 South, Range 30 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 soil sample laboratory analytical results, XTO is submitting this Closure Request, describing remediation that has occurred and requesting no further action (NFA) for Incident Number NAPP2036554434.

RELEASE BACKGROUND

On December 19, 2020, a suction valve failed on the blender during drilling activities, resulting in the release of 30 barrels (bbls) of produced water onto the surface of the well pad. No fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form (Form C-141) on December 30, 2020. The release was assigned Incident Number NAPP2036554434.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-03015, located approximately 1 mile southeast of the Site. The groundwater well was most recently measured in January 2004 has a reported depth to groundwater of 262 feet bgs and a total depth of 1,316 feet bgs. Ground surface elevation at the groundwater well location is 3,282 feet above mean sea level (amsl), which is approximately 128 feet higher in elevation than the



Site. All wells used for depth to groundwater determination are depicted on Figure 1. The referenced well records are included in Attachment 1.

The closest continuously flowing or significant watercourse to the Site is an ephemeral stream, located approximately 397 feet east of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an 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 underlain by unstable geology (high potential karst designation area). Site receptors are identified on 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): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT ACTIVITIES

Site assessment and remediation efforts were postponed due to ongoing drilling operations near the release, which resulted in activity restrictions at the Site due to safety concerns. On May 25, 2021, once drilling operations were complete, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations.

WSP personnel collected four preliminary assessment soil samples (SS01 through SS04) within the release extent from a depth of approximately 0.5 feet bgs to assess the lateral extent of the impacted soil. The preliminary soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

The preliminary soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Midland, Texas, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and



TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for preliminary soil sample SS02 indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results for preliminary soil samples SS01, SS03, and SS04 indicated that TPH or chloride concentrations exceeded the Closure Criteria. Based on visible staining in the release area, elevated field screening results, and laboratory analytical results for the preliminary soil samples, excavation activities were warranted.

EXCAVATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

During June 2021, WSP personnel returned to the Site to oversee excavation activities. Impacted soil was excavated from the release area as indicated by visible staining, field screening activities, and laboratory analytical results for the preliminary soil samples. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride.

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 from depths ranging from the ground surface to 2 feet bgs. Composite soil samples FS01 through FS31 were collected from the floor of the excavation from depths ranging from 1.5 feet to 2 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 2.

The excavation measured approximately 6,241 square feet. A total of approximately 462 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Hobbs, New Mexico. After completion of confirmation sampling, the excavation was secured with fencing.

Laboratory analytical results for excavation sidewall samples SW01 through SW06 and excavation floor samples FS01 through FS31 indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria and no further remediation was required. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Attachment 3.

District II
Page 4**CLOSURE REQUEST**

Site assessment and excavation activities were conducted at the Site to address the December 19, 2020 release of produced water. Laboratory analytical results for excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Based on the soil sample analytical results, no further remediation was required. XTO will backfill the excavation with material purchased locally and recontour the Site to match pre-existing site conditions.

Excavation of impacted soil has mitigated impacts at this Site. WSP and XTO believe the remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests NFA for Incident Number NAPP2036554434.

If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096.

Sincerely,

WSP USA Inc.

A handwritten signature in black ink that reads "Kaleb Henry".

Kaleb Henry
Consultant, Geologist

A handwritten signature in black ink that reads "Ashley L. Ager".

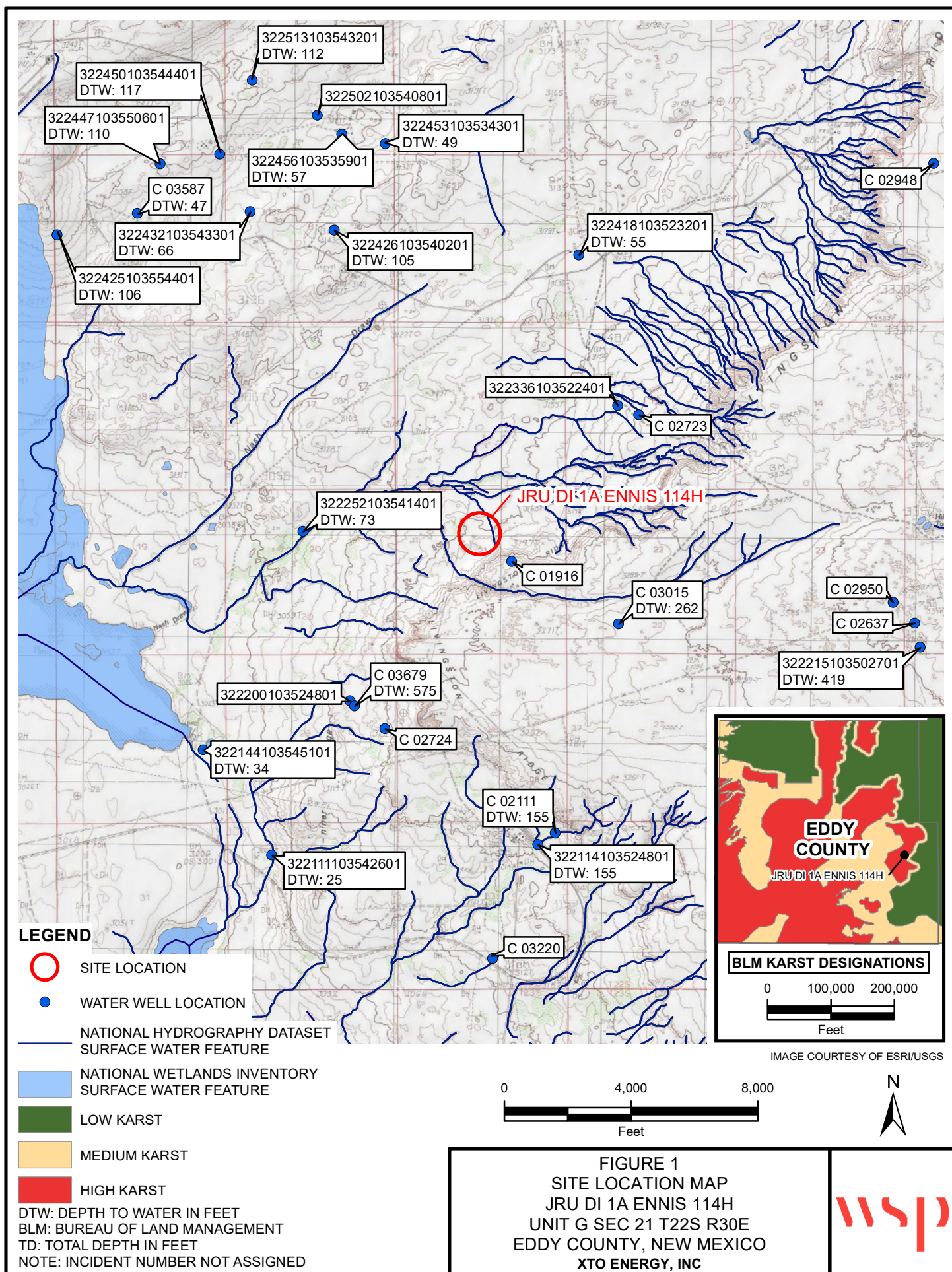
Ashley L. Ager, P.G.
Managing Director, Geologist

cc: Adrian Baker, XTO
Bureau of Land Management

Attachments:

Figure 1 Site Location Map
Figure 2 Preliminary Soil Sample Locations
Figure 3 Excavation Soil Sample Locations
Table 1 Soil Analytical Results
Attachment 1 Referenced Well Records
Attachment 2 Photographic Log
Attachment 3 Laboratory Analytical Reports

FIGURES



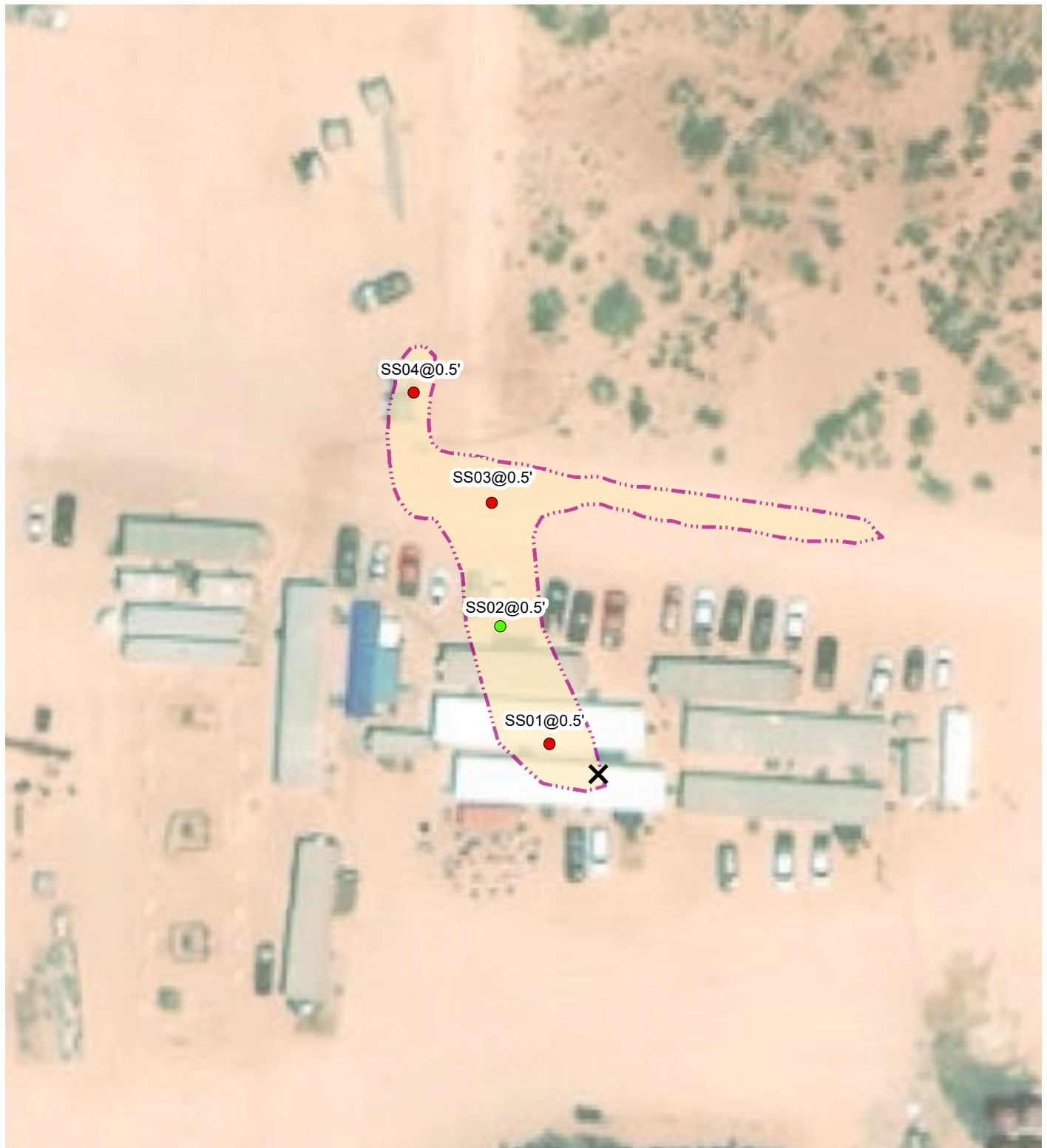


IMAGE COURTESY OF ESRI

LEGEND

- X** RELEASE LOCATION
- PRELIMINARY SOIL SAMPLE WITH CONCENTRATIONS EXCEEDING APPLICABLE CLOSURE CRITERIA
- PRELIMINARY SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- RELEASE EXTENT

NOTE: INCIDENT NUMBER NAPP2036554434
 SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

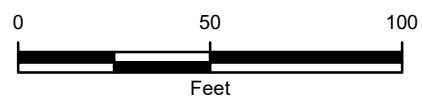
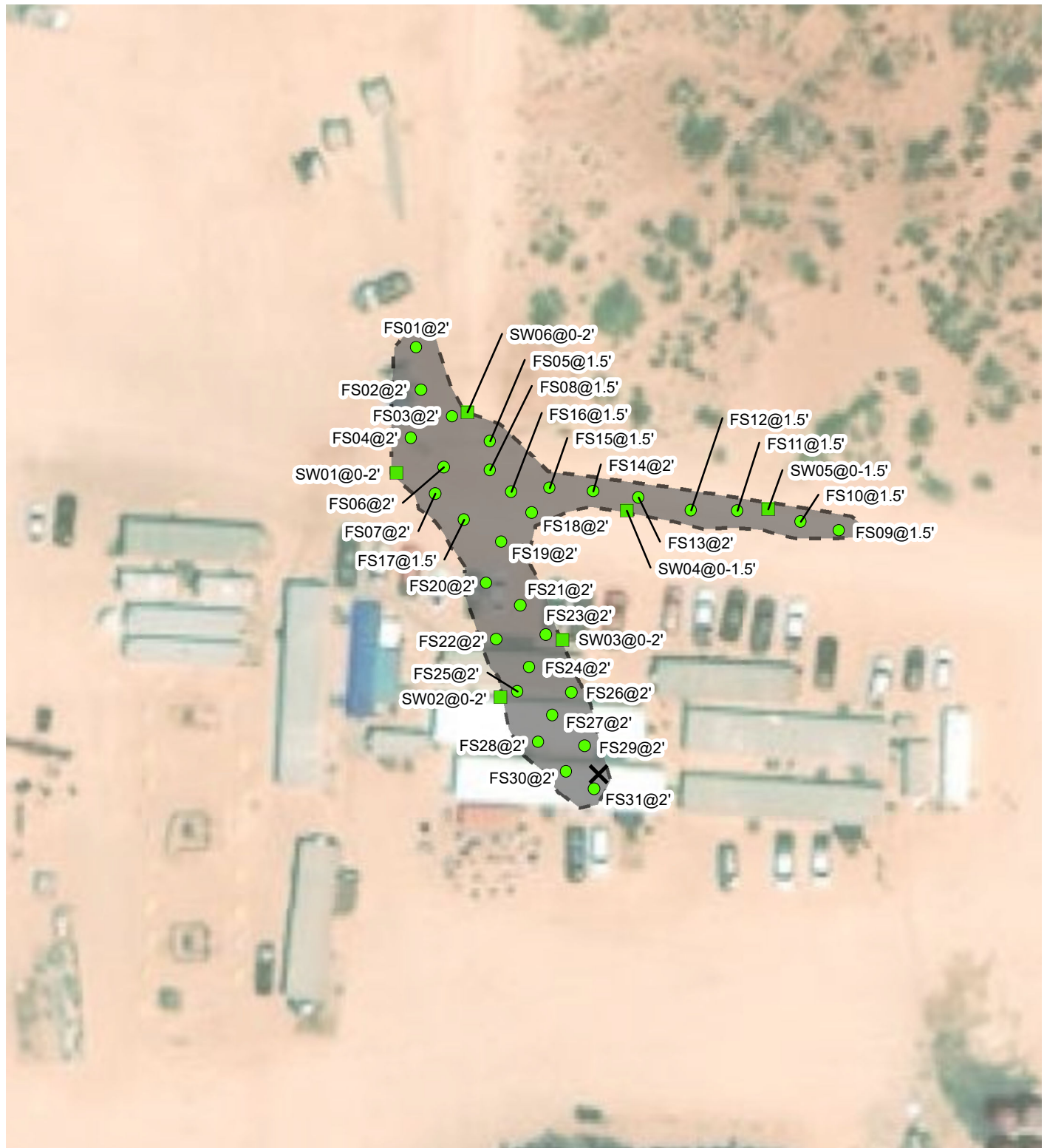


FIGURE 2
PRELIMINARY SOIL SAMPLE LOCATIONS
 JRU DI 1A ENNIS 114H
 UNIT G SEC 21 T22S R30E
 EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.



P:\XTO Energy\GIS\MXD\012921009_JRU DI 1A ENNIS 114H\012921009_FIG02_PRELIMINARY_2021.mxd

**LEGEND**

- X** RELEASE LOCATION
- FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- SIDEWALL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- EXCAVATION EXTENT

NOTE: INCIDENT NUMBER NAPP2036554434
 SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

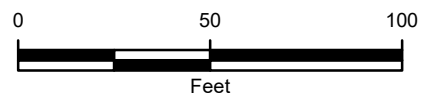


IMAGE COURTESY OF ESRI



FIGURE 3
EXCAVATION SOIL SAMPLE LOCATIONS
 JRU DI 1A ENNIS 114H
 UNIT G SEC 21 T22S R30E
 EDDY COUNTY, NEW MEXICO
 XTO ENERGY, INC.



TABLES

Table 1

Soil Analytical Results
JRU DI 1A Ennis 114H
Incident Number NAPP2036554434
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	NE	100	600
Surface Samples										
SS01	05/25/2021	0.5	<0.00200	<0.00399	<49.9	74.3	<49.9	74.3	74.3	7,190
SS02	05/25/2021	0.5	<0.00198	<0.00397	<49.8	<49.8	<49.8	<49.8	<49.8	293
SS03	05/25/2021	0.5	<0.00200	<0.00401	<49.8	54.5	<49.8	54.5	54.5	4,190
SS04	05/25/2021	0.5	<0.00201	<0.00402	<49.9	134	<49.9	134	134	455
Excavation Floor Samples										
FS01	06/18/2021	2	<0.00202	<0.00404	<49.7	<49.7	<49.7	<49.7	<49.7	108
FS02	06/18/2021	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	129
FS03	06/18/2021	2	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	17.7
FS04	06/18/2021	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	28.2
FS05	06/18/2021	1.5	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	282
FS06	06/18/2021	2	<0.00201	<0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	67.1
FS07	06/18/2021	2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	38.8
FS08	06/18/2021	1.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	220
FS09	06/18/2021	1.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	206
FS10	06/17/2021	1.5	<0.00198	<0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	355
FS11	06/18/2021	1.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	61.2
FS12	06/18/2021	1.5	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	167
FS13	06/18/2021	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	82.0
FS14	06/18/2021	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	125
FS15	06/18/2021	1.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	98.5

Table 1

Soil Analytical Results
JRU DI 1A Ennis 114H
Incident Number NAPP2036554434
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	NE	100	600
FS16	06/18/2021	1.5	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	272
FS17	06/18/2021	1.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	614
FS18	06/18/2021	2	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	46.2
FS19	06/18/2021	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	7.38
FS20	06/18/2021	2	<0.00199	<0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	137
FS21	06/18/2021	2	<0.00199	<0.00398	<49.7	<49.7	<49.7	<49.7	<49.7	92.4
FS22	06/18/2021	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	25.9
FS23	06/18/2021	2	<0.00198	<0.00397	<50.0	<50.0	<50.0	<50.0	<50.0	6.11
FS24	06/18/2021	2	<0.00200	<0.00400	<49.8	<49.8	<49.8	<49.8	<49.8	16.3
FS25	06/18/2021	2	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	134
FS26	06/18/2021	2	<0.00200	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	59.4
FS27	06/18/2021	2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	54.6
FS28	06/18/2021	2	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	80.1
FS29	06/18/2021	2	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	93.5
FS30	06/18/2021	2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	26.8
FS31	06/18/2021	2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	35.0
Excavation Sidewall Samples										
SW01	06/22/2021	0 - 2	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	191
SW02	06/22/2021	0 - 2	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	46.5
SW03	06/22/2021	0 - 2	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	63.1

Table 1

Soil Analytical Results
JRU DI 1A Ennis 114H
Incident Number NAPP2036554434
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	NE	100	600
SW04	06/22/2021	0 - 1.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	69.7
SW05	06/22/2021	0 - 1.5	<0.00200	<0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	4.98
SW06	06/22/2021	0 - 2	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	22.5

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 - oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

< - indicates result is less than the stated laboratory method practical quantitation limit

NE - Not Established

BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard

Greyed data represents samples that were excavated

ATTACHMENT 1: REFERENCED WELL RECORDS



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag

POD Number

Q64 Q16 Q4 Sec TwS Rng

X

Y

C 03015

1 4 3 22 22S 30E

606099 3582353*

Driller License: 331

Driller Company: SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.

Driller Name:

Drill Start Date: 01/21/2004

Drill Finish Date: 01/25/2004

Plug Date:

Log File Date: 03/04/2004

PCW Rev Date:

Source: Artesian

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: 6.00

Depth Well: 1316 feet

Depth Water: 262 feet

Water Bearing Stratifications:

Top Bottom Description

362 385 Other/Unknown

Casing Perforations:

Top Bottom

261 386

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

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Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

- 322252103541401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 322252103541401 22S.30E.20.12310

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°22'52", Longitude 103°54'14" NAD27

Land-surface elevation 3,065 feet above NAVD88

The depth of the well is 129 feet below land surface.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

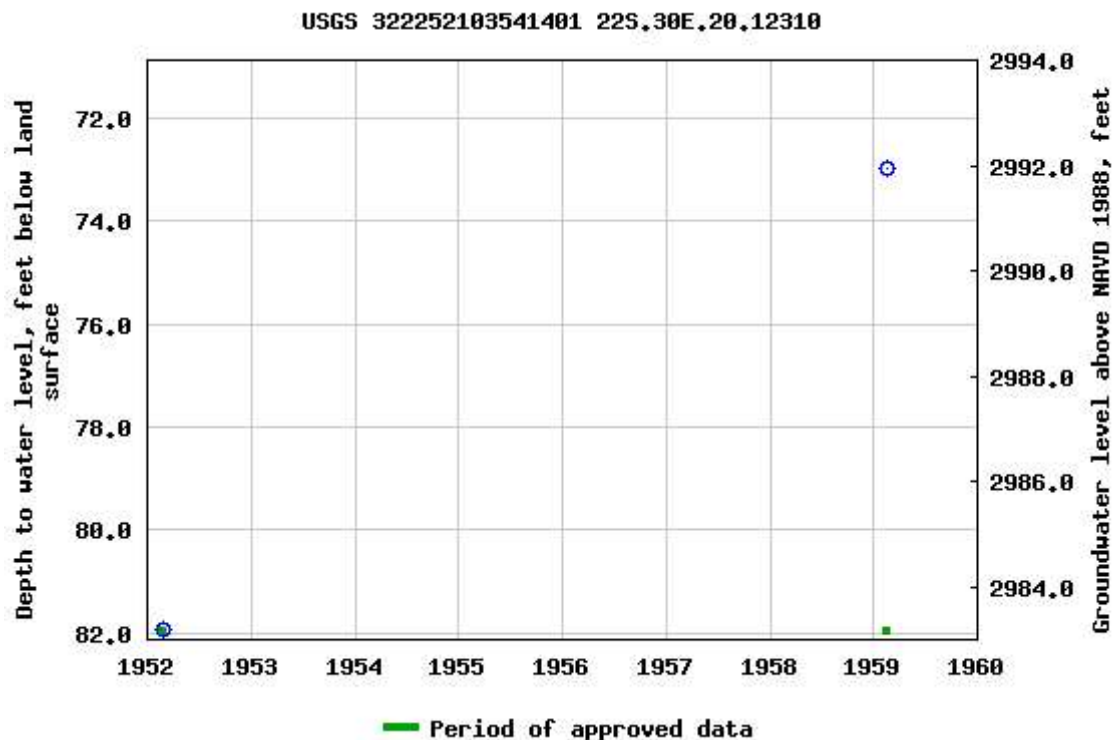
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Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-01-12 14:03:15 EST

0.7 0.59 nadww01



ATTACHMENT 2: PHOTOGRAPHIC LOG

**PHOTOGRAPHIC LOG****XTO Energy, Inc.****JRU DI 1A Ennis 114H
Eddy County, New Mexico****NAPP2036554434**



PHOTOGRAPHIC LOG		
XTO Energy, Inc.	JRU DI 1A Ennis 114H Eddy County, New Mexico	NAPP2036554434

Photo No.	Date	
3	June 20, 2021	
East facing view of excavation activities.		

Photo No.	Date	
4	June 20, 2021	
South facing view of final excavation extent.		

ATTACHMENT 3: LABORATORY ANALYTICAL RESULTS



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-732-1

Laboratory Sample Delivery Group: TE012921009

Client Project/Site: JRU DI 1A Ennis 114H

For:

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

Attn: Dan Moir

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

Authorized for release by:
5/30/2021 1:15:56 PM

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

LINKS

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www.eurofinsus.com/Env

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

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

Client: WSP USA Inc.
Project/Site: JRU DI 1A Ennis 114H

Laboratory Job ID: 890-732-1
SDG: TE012921009

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

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
SQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: WSP USA Inc.
Project/Site: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

Job ID: 890-732-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-732-1

Receipt

The samples were received on 5/25/2021 3:27 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: SS01 (890-732-1), SS02 (890-732-2), SS03 (890-732-3) and SS04 (890-732-4).

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: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

Client Sample ID: SS01

Lab Sample ID: 890-732-1

Date Collected: 05/25/21 13:16

Matrix: Solid

Date Received: 05/25/21 15:27

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/27/21 12:00	05/27/21 22:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/27/21 12:00	05/27/21 22:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/27/21 12:00	05/27/21 22:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		05/27/21 12:00	05/27/21 22:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/27/21 12:00	05/27/21 22:37	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		05/27/21 12:00	05/27/21 22:37	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		05/27/21 12:00	05/27/21 22:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	05/27/21 12:00	05/27/21 22:37	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/27/21 12:00	05/27/21 22:37	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		05/27/21 14:41	05/29/21 01:32	1
Diesel Range Organics (Over C10-C28)	74.3		49.9	mg/Kg		05/27/21 14:41	05/29/21 01:32	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/27/21 14:41	05/29/21 01:32	1
Total TPH	74.3		49.9	mg/Kg		05/27/21 14:41	05/29/21 01:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	05/27/21 14:41	05/29/21 01:32	1
o-Terphenyl	105		70 - 130	05/27/21 14:41	05/29/21 01:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7190		50.0	mg/Kg			05/28/21 13:06	10

Client Sample ID: SS02

Lab Sample ID: 890-732-2

Date Collected: 05/25/21 13:18

Matrix: Solid

Date Received: 05/25/21 15:27

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/27/21 12:00	05/27/21 22:58	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/27/21 12:00	05/27/21 22:58	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/27/21 12:00	05/27/21 22:58	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		05/27/21 12:00	05/27/21 22:58	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/27/21 12:00	05/27/21 22:58	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		05/27/21 12:00	05/27/21 22:58	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		05/27/21 12:00	05/27/21 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	05/27/21 12:00	05/27/21 22:58	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/27/21 12:00	05/27/21 22:58	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

Client Sample ID: SS02

Lab Sample ID: 890-732-2

Date Collected: 05/25/21 13:18

Matrix: Solid

Date Received: 05/25/21 15:27

Sample Depth: - 0.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/27/21 14:41	05/29/21 02:36	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		05/27/21 14:41	05/29/21 02:36	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/27/21 14:41	05/29/21 02:36	1
Total TPH	<49.8	U	49.8	mg/Kg		05/27/21 14:41	05/29/21 02:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	05/27/21 14:41	05/29/21 02:36	1
o-Terphenyl	93		70 - 130	05/27/21 14:41	05/29/21 02:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	293		24.8	mg/Kg			05/28/21 13:11	5

Client Sample ID: SS03

Lab Sample ID: 890-732-3

Date Collected: 05/25/21 13:19

Matrix: Solid

Date Received: 05/25/21 15:27

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/27/21 12:00	05/27/21 23:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/27/21 12:00	05/27/21 23:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/27/21 12:00	05/27/21 23:18	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		05/27/21 12:00	05/27/21 23:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/27/21 12:00	05/27/21 23:18	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/27/21 12:00	05/27/21 23:18	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		05/27/21 12:00	05/27/21 23:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	05/27/21 12:00	05/27/21 23:18	1
1,4-Difluorobenzene (Surr)	101		70 - 130	05/27/21 12:00	05/27/21 23:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		05/27/21 14:41	05/29/21 02:58	1
Diesel Range Organics (Over C10-C28)	54.5		49.8	mg/Kg		05/27/21 14:41	05/29/21 02:58	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/27/21 14:41	05/29/21 02:58	1
Total TPH	54.5		49.8	mg/Kg		05/27/21 14:41	05/29/21 02:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	05/27/21 14:41	05/29/21 02:58	1
o-Terphenyl	95		70 - 130	05/27/21 14:41	05/29/21 02:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4190		49.8	mg/Kg			05/28/21 13:16	10

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

Client Sample ID: SS04

Lab Sample ID: 890-732-4

Date Collected: 05/25/21 13:20

Matrix: Solid

Date Received: 05/25/21 15:27

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		05/27/21 12:00	05/27/21 23:39	1
Toluene	<0.00201	U	0.00201	mg/Kg		05/27/21 12:00	05/27/21 23:39	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		05/27/21 12:00	05/27/21 23:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		05/27/21 12:00	05/27/21 23:39	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		05/27/21 12:00	05/27/21 23:39	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		05/27/21 12:00	05/27/21 23:39	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		05/27/21 12:00	05/27/21 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	05/27/21 12:00	05/27/21 23:39	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/27/21 12:00	05/27/21 23:39	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		05/27/21 14:41	05/29/21 03:19	1
Diesel Range Organics (Over C10-C28)	134		49.9	mg/Kg		05/27/21 14:41	05/29/21 03:19	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/27/21 14:41	05/29/21 03:19	1
Total TPH	134		49.9	mg/Kg		05/27/21 14:41	05/29/21 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	05/27/21 14:41	05/29/21 03:19	1
o-Terphenyl	94		70 - 130	05/27/21 14:41	05/29/21 03:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	455		24.8	mg/Kg			05/28/21 13:21	5

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

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)
890-732-1	SS01	119	101
890-732-2	SS02	118	101
890-732-3	SS03	114	101
890-732-4	SS04	116	95
LCS 880-3566/1-A	Lab Control Sample	108	96
LCSD 880-3566/2-A	Lab Control Sample Dup	108	94
MB 880-3566/5-A	Method Blank	109	93
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-732-1	SS01	111	105
890-732-1 MS	SS01	91	78
890-732-1 MSD	SS01	91	79
890-732-2	SS02	97	93
890-732-3	SS03	99	95
890-732-4	SS04	99	94
LCS 880-3586/2-A	Lab Control Sample	100	89
LCSD 880-3586/3-A	Lab Control Sample Dup	99	88
MB 880-3586/1-A	Method Blank	101	98
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3566/5-A

Matrix: Solid

Analysis Batch: 3568

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3566

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/27/21 10:16	05/27/21 16:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/27/21 10:16	05/27/21 16:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/27/21 10:16	05/27/21 16:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/27/21 10:16	05/27/21 16:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/27/21 10:16	05/27/21 16:14	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		05/27/21 10:16	05/27/21 16:14	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/27/21 10:16	05/27/21 16:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/27/21 10:16	05/27/21 16:14	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/27/21 10:16	05/27/21 16:14	1

Lab Sample ID: LCS 880-3566/1-A

Matrix: Solid

Analysis Batch: 3568

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3566

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09632		mg/Kg		96	70 - 130
Toluene	0.100	0.1167		mg/Kg		117	70 - 130
Ethylbenzene	0.100	0.1190		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	0.200	0.2470		mg/Kg		123	70 - 130
o-Xylene	0.100	0.1230		mg/Kg		123	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-3566/2-A

Matrix: Solid

Analysis Batch: 3568

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3566

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09201		mg/Kg		92	70 - 130	5	35
Toluene	0.100	0.1148		mg/Kg		115	70 - 130	2	35
Ethylbenzene	0.100	0.1166		mg/Kg		117	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.2400		mg/Kg		120	70 - 130	3	35
o-Xylene	0.100	0.1191		mg/Kg		119	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

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

Lab Sample ID: MB 880-3586/1-A

Matrix: Solid

Analysis Batch: 3616

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3586

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		05/27/21 14:41	05/29/21 00:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/27/21 14:41	05/29/21 00:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/27/21 14:41	05/29/21 00:28	1
Total TPH	<50.0	U	50.0	mg/Kg		05/27/21 14:41	05/29/21 00:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	05/27/21 14:41	05/29/21 00:28	1
o-Terphenyl	98		70 - 130	05/27/21 14:41	05/29/21 00:28	1

Lab Sample ID: LCS 880-3586/2-A

Matrix: Solid

Analysis Batch: 3616

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 3586

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	888.8		mg/Kg		89	70 - 130
Diesel Range Organics (Over C10-C28)	1000	945.8		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: LCSD 880-3586/3-A

Matrix: Solid

Analysis Batch: 3616

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 3586

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	891.8		mg/Kg		89	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	937.7		mg/Kg		94	70 - 130	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 890-732-1 MS

Matrix: Solid

Analysis Batch: 3616

Client Sample ID: SS01

Prep Type: Total/NA

Prep Batch: 3586

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	996	896.6		mg/Kg		87	70 - 130
Diesel Range Organics (Over C10-C28)	74.3		996	888.6		mg/Kg		82	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

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

Lab Sample ID: 890-732-1 MS

Matrix: Solid

Analysis Batch: 3616

Client Sample ID: SS01

Prep Type: Total/NA

Prep Batch: 3586

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	78		70 - 130

Lab Sample ID: 890-732-1 MSD

Matrix: Solid

Analysis Batch: 3616

Client Sample ID: SS01

Prep Type: Total/NA

Prep Batch: 3586

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	996	874.8		mg/Kg		84	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	74.3		996	903.8		mg/Kg		83	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	91		70 - 130								
o-Terphenyl	79		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3529/1-A

Matrix: Solid

Analysis Batch: 3607

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			05/28/21 10:59	1

Lab Sample ID: LCS 880-3529/2-A

Matrix: Solid

Analysis Batch: 3607

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	243.8		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-3529/3-A

Matrix: Solid

Analysis Batch: 3607

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	243.7		mg/Kg		97	90 - 110	0	20

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

GC VOA

Prep Batch: 3566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-732-1	SS01	Total/NA	Solid	5035	
890-732-2	SS02	Total/NA	Solid	5035	
890-732-3	SS03	Total/NA	Solid	5035	
890-732-4	SS04	Total/NA	Solid	5035	
MB 880-3566/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3566/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3566/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 3568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-732-1	SS01	Total/NA	Solid	8021B	3566
890-732-2	SS02	Total/NA	Solid	8021B	3566
890-732-3	SS03	Total/NA	Solid	8021B	3566
890-732-4	SS04	Total/NA	Solid	8021B	3566
MB 880-3566/5-A	Method Blank	Total/NA	Solid	8021B	3566
LCS 880-3566/1-A	Lab Control Sample	Total/NA	Solid	8021B	3566
LCSD 880-3566/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3566

GC Semi VOA

Prep Batch: 3586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-732-1	SS01	Total/NA	Solid	8015NM Prep	
890-732-2	SS02	Total/NA	Solid	8015NM Prep	
890-732-3	SS03	Total/NA	Solid	8015NM Prep	
890-732-4	SS04	Total/NA	Solid	8015NM Prep	
MB 880-3586/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3586/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3586/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-732-1 MS	SS01	Total/NA	Solid	8015NM Prep	
890-732-1 MSD	SS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 3616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-732-1	SS01	Total/NA	Solid	8015B NM	3586
890-732-2	SS02	Total/NA	Solid	8015B NM	3586
890-732-3	SS03	Total/NA	Solid	8015B NM	3586
890-732-4	SS04	Total/NA	Solid	8015B NM	3586
MB 880-3586/1-A	Method Blank	Total/NA	Solid	8015B NM	3586
LCS 880-3586/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3586
LCSD 880-3586/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3586
890-732-1 MS	SS01	Total/NA	Solid	8015B NM	3586
890-732-1 MSD	SS01	Total/NA	Solid	8015B NM	3586

HPLC/IC

Leach Batch: 3529

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-732-1	SS01	Soluble	Solid	DI Leach	
890-732-2	SS02	Soluble	Solid	DI Leach	
890-732-3	SS03	Soluble	Solid	DI Leach	
890-732-4	SS04	Soluble	Solid	DI Leach	

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QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

HPLC/IC (Continued)

Leach Batch: 3529 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-3529/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3529/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3529/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 3607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-732-1	SS01	Soluble	Solid	300.0	3529
890-732-2	SS02	Soluble	Solid	300.0	3529
890-732-3	SS03	Soluble	Solid	300.0	3529
890-732-4	SS04	Soluble	Solid	300.0	3529
MB 880-3529/1-A	Method Blank	Soluble	Solid	300.0	3529
LCS 880-3529/2-A	Lab Control Sample	Soluble	Solid	300.0	3529
LCSD 880-3529/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3529

Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

Client Sample ID: SS01

Lab Sample ID: 890-732-1

Date Collected: 05/25/21 13:16

Matrix: Solid

Date Received: 05/25/21 15:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3566	05/27/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	3568	05/27/21 22:37	KL	XEN MID
Total/NA	Prep	8015NM Prep			3586	05/27/21 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3616	05/29/21 01:32	AJ	XEN MID
Soluble	Leach	DI Leach			3529	05/26/21 10:59	CH	XEN MID
Soluble	Analysis	300.0		10	3607	05/28/21 13:06	SC	XEN MID

Client Sample ID: SS02

Lab Sample ID: 890-732-2

Date Collected: 05/25/21 13:18

Matrix: Solid

Date Received: 05/25/21 15:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3566	05/27/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	3568	05/27/21 22:58	KL	XEN MID
Total/NA	Prep	8015NM Prep			3586	05/27/21 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3616	05/29/21 02:36	AJ	XEN MID
Soluble	Leach	DI Leach			3529	05/26/21 10:59	CH	XEN MID
Soluble	Analysis	300.0		5	3607	05/28/21 13:11	SC	XEN MID

Client Sample ID: SS03

Lab Sample ID: 890-732-3

Date Collected: 05/25/21 13:19

Matrix: Solid

Date Received: 05/25/21 15:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3566	05/27/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	3568	05/27/21 23:18	KL	XEN MID
Total/NA	Prep	8015NM Prep			3586	05/27/21 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3616	05/29/21 02:58	AJ	XEN MID
Soluble	Leach	DI Leach			3529	05/26/21 10:59	CH	XEN MID
Soluble	Analysis	300.0		10	3607	05/28/21 13:16	SC	XEN MID

Client Sample ID: SS04

Lab Sample ID: 890-732-4

Date Collected: 05/25/21 13:20

Matrix: Solid

Date Received: 05/25/21 15:27

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3566	05/27/21 12:00	MR	XEN MID
Total/NA	Analysis	8021B		1	3568	05/27/21 23:39	KL	XEN MID
Total/NA	Prep	8015NM Prep			3586	05/27/21 14:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3616	05/29/21 03:19	AJ	XEN MID
Soluble	Leach	DI Leach			3529	05/26/21 10:59	CH	XEN MID
Soluble	Analysis	300.0		5	3607	05/28/21 13:21	SC	XEN MID

Laboratory References:

XEN MID = 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: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

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: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1A Ennis 114H

Job ID: 890-732-1
SDG: TE012921009

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-732-1	SS01	Solid	05/25/21 13:16	05/25/21 15:27	- 0.5
890-732-2	SS02	Solid	05/25/21 13:18	05/25/21 15:27	- 0.5
890-732-3	SS03	Solid	05/25/21 13:19	05/25/21 15:27	- 0.5
890-732-4	SS04	Solid	05/25/21 13:20	05/25/21 15:27	- 0.5



Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland TX (432-704-5440) El Paso TX (915) 585-3443 Lubbock, TX (806) 794-1296
Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-8800) Tampa, FL (813) 233-3927
Hobbs, NM (575-392-7550)

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Page 1 of 0

Chain of Custody

Work Order No:

Project Manager:	Dan Moir	Bill to: (if different)	Kyle Littrell
Company Name:	WSP USA Inc., Permian office	Company Name:	XTO Energy, Inc.
Address:	3300 North A Street	Address:	
City, State ZIP:	Midland, Tx 79705	City, State ZIP:	
Phone:	(432) 236-3849	Email:	will.maitner@wsp.com dan.moir@wsp.com

Work Order Comments									
Program: UST/PST		☐ RP	☐ Growfields	☐ RC	☐ Superfund	☐			
State of Project:									
Reporting Level II		☐ Level III	☐ PST/UST	☐ RP	☒ Level IV	☐			
Deliverables: EDD		☐	ADAPT	☐	Other:				

Project Name:	JRU DI 1A Ennis 114H	Turn Around	ANALYSIS REQUEST				Work Order Notes
Project Number:	TE012921009	Routine ☒					Incident #: NAPP2036554434
P.O. Number:	Eddy	Rush: ☐					AEE: DD 2017 02051 CAP CMP 01
Sampler's Name:	William Mather	Due Date:					API: 3001543231

SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No
Temperature (°C):	5.0/4.8	Thermometer ID	ZNM-007				
Received Intact:	Yes No	Correction Factor:	-0.2				
Cooler Custody Seals:	Yes No	Total Containers:					
Sample Custody Seals:	Yes No						

Number of Containers

EPA 8015)

EPA 0=8021)

le (EPA 300.0)

890-732 Chain of Custody

TAT starts the day received by the lab, if received by 4:30pm

[illegible]

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
 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 1684+2454+7470+7471-Hg

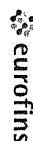
Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		5-25-21 1527			

Revised Date 05/14/18 Rev. 2018

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: 890-732-1

SDG Number: TE012921009

Login Number: 732

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Xenco, 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: 890-732-1

SDG Number: TE012921009

Login Number: 732

List Number: 2

Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland

List Creation: 05/27/21 11:06 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?	N/A	
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: 890-859-1

Laboratory Sample Delivery Group: TE012921009

Client Project/Site: JRU DI1 Enris 114H

For:

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

Attn: Kalei Jennings

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

Authorized for release by:
6/29/2021 7:58:25 PM

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

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

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Laboratory Job ID: 890-859-1
SDG: TE012921009

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Job ID: 890-859-1**Laboratory: Eurofins Xenco, Carlsbad****Narrative****Job Narrative
890-859-1****Receipt**

The samples were received on 6/23/2021 10:15 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 5.6°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-4592 and analytical batch 880-4608 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Internal standard responses were outside of acceptance limits for the following samples: FS27 (890-859-27), FS28 (890-859-28), FS29 (890-859-29), FS30 (890-859-30), FS31 (890-859-31), SW01 (890-859-32) and SW02 (890-859-33). The sample(s) shows evidence of matrix interference.

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS31 (890-859-31). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

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: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS01

Lab Sample ID: 890-859-1

Date Collected: 06/18/21 11:50

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 00:44	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 00:44	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 00:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		06/24/21 13:04	06/25/21 00:44	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 00:44	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		06/24/21 13:04	06/25/21 00:44	1
Total BTEX	<0.00404	U	0.00404	mg/Kg		06/24/21 13:04	06/25/21 00:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	06/24/21 13:04	06/25/21 00:44	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/24/21 13:04	06/25/21 00:44	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	<49.7	U	49.7	mg/Kg		06/24/21 14:40	06/26/21 13:56	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/24/21 14:40	06/26/21 13:56	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/24/21 14:40	06/26/21 13:56	1
Total TPH	<49.7	U	49.7	mg/Kg		06/24/21 14:40	06/26/21 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	06/24/21 14:40	06/26/21 13:56	1
o-Terphenyl	114		70 - 130	06/24/21 14:40	06/26/21 13:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	108		5.01	mg/Kg			06/29/21 13:55	1

Client Sample ID: FS02

Lab Sample ID: 890-859-2

Date Collected: 06/18/21 11:52

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 01:04	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 01:04	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 01:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 01:04	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 01:04	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 01:04	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 01:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/24/21 13:04	06/25/21 01:04	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/24/21 13:04	06/25/21 01:04	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS02

Lab Sample ID: 890-859-2

Date Collected: 06/18/21 11:52

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

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		06/24/21 14:40	06/26/21 15:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 15:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 15:00	1
Total TPH	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	06/24/21 14:40	06/26/21 15:00	1
o-Terphenyl	99		70 - 130	06/24/21 14:40	06/26/21 15:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		5.04	mg/Kg			06/29/21 14:00	1

Client Sample ID: FS03

Lab Sample ID: 890-859-3

Date Collected: 06/18/21 11:55

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 01:25	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 01:25	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 01:25	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/24/21 13:04	06/25/21 01:25	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 01:25	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/24/21 13:04	06/25/21 01:25	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/24/21 13:04	06/25/21 01:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/24/21 13:04	06/25/21 01:25	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/24/21 13:04	06/25/21 01:25	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	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 15:21	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 15:21	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 15:21	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	06/24/21 14:40	06/26/21 15:21	1
o-Terphenyl	111		70 - 130	06/24/21 14:40	06/26/21 15:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.7		5.03	mg/Kg			06/29/21 14:06	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS04

Lab Sample ID: 890-859-4

Date Collected: 06/18/21 11:57

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 01:45	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 01:45	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 01:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 01:45	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 01:45	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 01:45	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 01:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/24/21 13:04	06/25/21 01:45	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/24/21 13:04	06/25/21 01:45	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	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 15:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 15:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 15:42	1
Total TPH	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	06/24/21 14:40	06/26/21 15:42	1
o-Terphenyl	102		70 - 130	06/24/21 14:40	06/26/21 15:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.2		5.03	mg/Kg			06/29/21 14:11	1

Client Sample ID: FS05

Lab Sample ID: 890-859-5

Date Collected: 06/18/21 09:40

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:04	06/25/21 02:05	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:04	06/25/21 02:05	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:04	06/25/21 02:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/24/21 13:04	06/25/21 02:05	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:04	06/25/21 02:05	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/24/21 13:04	06/25/21 02:05	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		06/24/21 13:04	06/25/21 02:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	06/24/21 13:04	06/25/21 02:05	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/24/21 13:04	06/25/21 02:05	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS05

Lab Sample ID: 890-859-5

Date Collected: 06/18/21 09:40

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 1.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 16:03	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 16:03	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 16:03	1
Total TPH	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/24/21 14:40	06/26/21 16:03	1
o-Terphenyl	97		70 - 130	06/24/21 14:40	06/26/21 16:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	282		5.03	mg/Kg			06/29/21 14:17	1

Client Sample ID: FS06

Lab Sample ID: 890-859-6

Date Collected: 06/18/21 12:12

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:04	06/25/21 02:26	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:04	06/25/21 02:26	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:04	06/25/21 02:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/24/21 13:04	06/25/21 02:26	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:04	06/25/21 02:26	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/24/21 13:04	06/25/21 02:26	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		06/24/21 13:04	06/25/21 02:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	06/24/21 13:04	06/25/21 02:26	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/24/21 13:04	06/25/21 02:26	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	<49.7	U	49.7	mg/Kg		06/24/21 14:40	06/26/21 16:24	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/24/21 14:40	06/26/21 16:24	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/24/21 14:40	06/26/21 16:24	1
Total TPH	<49.7	U	49.7	mg/Kg		06/24/21 14:40	06/26/21 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	06/24/21 14:40	06/26/21 16:24	1
o-Terphenyl	103		70 - 130	06/24/21 14:40	06/26/21 16:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.1		4.97	mg/Kg			06/29/21 14:22	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS07

Lab Sample ID: 890-859-7

Date Collected: 06/18/21 12:15

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 02:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 02:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 02:46	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 02:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 02:46	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 02:46	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 02:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	06/24/21 13:04	06/25/21 02:46	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/24/21 13:04	06/25/21 02:46	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	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 16:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 16:45	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 16:45	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	06/24/21 14:40	06/26/21 16:45	1
o-Terphenyl	97		70 - 130	06/24/21 14:40	06/26/21 16:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.8		4.95	mg/Kg			06/29/21 14:28	1

Client Sample ID: FS08

Lab Sample ID: 890-859-8

Date Collected: 06/18/21 09:46

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 03:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 03:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 03:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 03:07	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 03:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 03:07	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 03:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	06/24/21 13:04	06/25/21 03:07	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/24/21 13:04	06/25/21 03:07	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS08

Lab Sample ID: 890-859-8

Date Collected: 06/18/21 09:46

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 1.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 17:06	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 17:06	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 17:06	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130	06/24/21 14:40	06/26/21 17:06	1
o-Terphenyl	108		70 - 130	06/24/21 14:40	06/26/21 17:06	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		5.00	mg/Kg			06/29/21 14:33	1

Client Sample ID: FS09

Lab Sample ID: 890-859-9

Date Collected: 06/18/21 10:05

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 04:56	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 04:56	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 04:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 04:56	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 04:56	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 04:56	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 04:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/24/21 13:04	06/25/21 04:56	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/24/21 13:04	06/25/21 04:56	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		06/24/21 14:40	06/26/21 17:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 17:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 17:27	1
Total TPH	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130	06/24/21 14:40	06/26/21 17:27	1
o-Terphenyl	117		70 - 130	06/24/21 14:40	06/26/21 17:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	206		5.01	mg/Kg			06/29/21 14:39	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS10

Lab Sample ID: 890-859-10

Date Collected: 06/17/21 13:45

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/24/21 13:04	06/25/21 05:17	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/24/21 13:04	06/25/21 05:17	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/24/21 13:04	06/25/21 05:17	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		06/24/21 13:04	06/25/21 05:17	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/24/21 13:04	06/25/21 05:17	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		06/24/21 13:04	06/25/21 05:17	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		06/24/21 13:04	06/25/21 05:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	06/24/21 13:04	06/25/21 05:17	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/24/21 13:04	06/25/21 05:17	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		06/24/21 14:40	06/26/21 17:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 17:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 17:49	1
Total TPH	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 17:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	06/24/21 14:40	06/26/21 17:49	1
o-Terphenyl	114		70 - 130	06/24/21 14:40	06/26/21 17:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	355		25.0	mg/Kg			06/28/21 17:08	5

Client Sample ID: FS11

Lab Sample ID: 890-859-11

Date Collected: 06/18/21 10:10

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 05:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 05:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 05:37	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 05:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 05:37	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 05:37	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 05:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/24/21 13:04	06/25/21 05:37	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/24/21 13:04	06/25/21 05:37	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS11

Lab Sample ID: 890-859-11

Date Collected: 06/18/21 10:10

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 1.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 18:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 18:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 18:31	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	06/24/21 14:40	06/26/21 18:31	1
o-Terphenyl	118		70 - 130	06/24/21 14:40	06/26/21 18:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.2		5.04	mg/Kg			06/29/21 12:00	1

Client Sample ID: FS12

Lab Sample ID: 890-859-12

Date Collected: 06/18/21 10:12

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 05:57	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 05:57	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 05:57	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/24/21 13:04	06/25/21 05:57	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 05:57	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/24/21 13:04	06/25/21 05:57	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/24/21 13:04	06/25/21 05:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/24/21 13:04	06/25/21 05:57	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/24/21 13:04	06/25/21 05:57	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	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 18:52	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 18:52	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 18:52	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	06/24/21 14:40	06/26/21 18:52	1
o-Terphenyl	115		70 - 130	06/24/21 14:40	06/26/21 18:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	167		25.1	mg/Kg			06/28/21 18:41	5

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS13

Lab Sample ID: 890-859-13

Date Collected: 06/18/21 13:35

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 06:18	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 06:18	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 06:18	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 06:18	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 06:18	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 06:18	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/24/21 13:04	06/25/21 06:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	06/24/21 13:04	06/25/21 06:18	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/24/21 13:04	06/25/21 06:18	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 19:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 19:13	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 19:13	1
Total TPH	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 19:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/24/21 14:40	06/26/21 19:13	1
o-Terphenyl	90		70 - 130	06/24/21 14:40	06/26/21 19:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82.0		4.98	mg/Kg			06/29/21 12:06	1

Client Sample ID: FS14

Lab Sample ID: 890-859-14

Date Collected: 06/18/21 13:38

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 06:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 06:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 06:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 06:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 06:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 06:38	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 06:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/24/21 13:04	06/25/21 06:38	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/24/21 13:04	06/25/21 06:38	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS14

Lab Sample ID: 890-859-14

Date Collected: 06/18/21 13:38

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 19:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 19:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 19:35	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	06/24/21 14:40	06/26/21 19:35	1
o-Terphenyl	103		70 - 130	06/24/21 14:40	06/26/21 19:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	125		4.95	mg/Kg			06/29/21 12:11	1

Client Sample ID: FS15

Lab Sample ID: 890-859-15

Date Collected: 06/18/21 10:40

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 06:59	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 06:59	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 06:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 06:59	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:04	06/25/21 06:59	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 06:59	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/24/21 13:04	06/25/21 06:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	06/24/21 13:04	06/25/21 06:59	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/24/21 13:04	06/25/21 06:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 19:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 19:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 19:56	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/24/21 14:40	06/26/21 19:56	1
o-Terphenyl	98		70 - 130	06/24/21 14:40	06/26/21 19:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	98.5		5.05	mg/Kg			06/29/21 12:16	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS16

Lab Sample ID: 890-859-16

Date Collected: 06/18/21 10:42

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 07:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 07:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 07:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/24/21 13:04	06/25/21 07:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/25/21 07:19	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/24/21 13:04	06/25/21 07:19	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/24/21 13:04	06/25/21 07:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/24/21 13:04	06/25/21 07:19	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/24/21 13:04	06/25/21 07:19	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	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 20:17	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 20:17	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 20:17	1
Total TPH	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 20:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	06/24/21 14:40	06/26/21 20:17	1
o-Terphenyl	116		70 - 130	06/24/21 14:40	06/26/21 20:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	272		24.9	mg/Kg			06/28/21 19:14	5

Client Sample ID: FS17

Lab Sample ID: 890-859-17

Date Collected: 06/18/21 10:44

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:04	06/25/21 07:39	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:04	06/25/21 07:39	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:04	06/25/21 07:39	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/24/21 13:04	06/25/21 07:39	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:04	06/25/21 07:39	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/24/21 13:04	06/25/21 07:39	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		06/24/21 13:04	06/25/21 07:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/24/21 13:04	06/25/21 07:39	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/24/21 13:04	06/25/21 07:39	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS17

Lab Sample ID: 890-859-17

Date Collected: 06/18/21 10:44

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 1.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 20:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 20:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 20:38	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 20:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	06/24/21 14:40	06/26/21 20:38	1
o-Terphenyl	104		70 - 130	06/24/21 14:40	06/26/21 20:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	614		24.9	mg/Kg			06/28/21 19:20	5

Client Sample ID: FS18

Lab Sample ID: 890-859-18

Date Collected: 06/18/21 13:41

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 08:00	1
Toluene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 08:00	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 08:00	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		06/24/21 13:04	06/25/21 08:00	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/24/21 13:04	06/25/21 08:00	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		06/24/21 13:04	06/25/21 08:00	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		06/24/21 13:04	06/25/21 08:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	06/24/21 13:04	06/25/21 08:00	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/24/21 13:04	06/25/21 08:00	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		06/24/21 14:40	06/26/21 20:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 20:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 20:59	1
Total TPH	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 20:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/24/21 14:40	06/26/21 20:59	1
o-Terphenyl	94		70 - 130	06/24/21 14:40	06/26/21 20:59	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.2		4.95	mg/Kg			06/29/21 12:22	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS19

Lab Sample ID: 890-859-19

Date Collected: 06/18/21 14:18

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200	mg/Kg		06/24/21 13:20	06/25/21 13:06	1
Toluene	<0.00200	U F1	0.00200	mg/Kg		06/24/21 13:20	06/25/21 13:06	1
Ethylbenzene	<0.00200	U F1	0.00200	mg/Kg		06/24/21 13:20	06/25/21 13:06	1
m-Xylene & p-Xylene	<0.00399	U F1	0.00399	mg/Kg		06/24/21 13:20	06/25/21 13:06	1
o-Xylene	<0.00200	U F1	0.00200	mg/Kg		06/24/21 13:20	06/25/21 13:06	1
Xylenes, Total	<0.00399	U F1	0.00399	mg/Kg		06/24/21 13:20	06/25/21 13:06	1
Total BTEX	<0.00399	U F1	0.00399	mg/Kg		06/24/21 13:20	06/25/21 13:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/24/21 13:20	06/25/21 13:06	1
1,4-Difluorobenzene (Surr)	84		70 - 130	06/24/21 13:20	06/25/21 13:06	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		06/24/21 14:40	06/26/21 21:20	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 21:20	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 21:20	1
Total TPH	<49.9	U	49.9	mg/Kg		06/24/21 14:40	06/26/21 21:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	06/24/21 14:40	06/26/21 21:20	1
o-Terphenyl	96		70 - 130	06/24/21 14:40	06/26/21 21:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.38		5.00	mg/Kg			06/28/21 19:31	1

Client Sample ID: FS20

Lab Sample ID: 890-859-20

Date Collected: 06/18/21 14:20

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 13:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 13:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 13:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/24/21 13:20	06/25/21 13:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 13:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/24/21 13:20	06/25/21 13:31	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/24/21 13:20	06/25/21 13:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	06/24/21 13:20	06/25/21 13:31	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/24/21 13:20	06/25/21 13:31	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS20

Lab Sample ID: 890-859-20

Date Collected: 06/18/21 14:20

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 21:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 21:42	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 21:42	1
Total TPH	<49.8	U	49.8	mg/Kg		06/24/21 14:40	06/26/21 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	06/24/21 14:40	06/26/21 21:42	1
o-Terphenyl	102		70 - 130	06/24/21 14:40	06/26/21 21:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	137		4.96	mg/Kg			06/29/21 12:33	1

Client Sample ID: FS21

Lab Sample ID: 890-859-21

Date Collected: 06/18/21 14:22

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 13:56	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 13:56	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 13:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/24/21 13:20	06/25/21 13:56	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 13:56	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/24/21 13:20	06/25/21 13:56	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/24/21 13:20	06/25/21 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	06/24/21 13:20	06/25/21 13:56	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/24/21 13:20	06/25/21 13:56	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	<49.7	U	49.7	mg/Kg		06/24/21 14:55	06/24/21 22:34	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/24/21 14:55	06/24/21 22:34	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/24/21 14:55	06/24/21 22:34	1
Total TPH	<49.7	U	49.7	mg/Kg		06/24/21 14:55	06/24/21 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	06/24/21 14:55	06/24/21 22:34	1
o-Terphenyl	85		70 - 130	06/24/21 14:55	06/24/21 22:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92.4		5.04	mg/Kg			06/29/21 12:49	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS22

Lab Sample ID: 890-859-22

Date Collected: 06/18/21 14:25

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 14:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 14:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 14:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 14:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 14:21	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 14:21	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		70 - 130	06/24/21 13:20	06/25/21 14:21	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/24/21 13:20	06/25/21 14:21	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		06/24/21 14:55	06/24/21 23:36	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/24/21 14:55	06/24/21 23:36	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/24/21 14:55	06/24/21 23:36	1
Total TPH	<49.9	U	49.9	mg/Kg		06/24/21 14:55	06/24/21 23:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	06/24/21 14:55	06/24/21 23:36	1
o-Terphenyl	98		70 - 130	06/24/21 14:55	06/24/21 23:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	25.9		5.03	mg/Kg			06/29/21 13:06	1

Client Sample ID: FS23

Lab Sample ID: 890-859-23

Date Collected: 06/18/21 14:27

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/24/21 13:20	06/25/21 14:47	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/24/21 13:20	06/25/21 14:47	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/24/21 13:20	06/25/21 14:47	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		06/24/21 13:20	06/25/21 14:47	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/24/21 13:20	06/25/21 14:47	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		06/24/21 13:20	06/25/21 14:47	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		06/24/21 13:20	06/25/21 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	06/24/21 13:20	06/25/21 14:47	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/24/21 13:20	06/25/21 14:47	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS23

Lab Sample ID: 890-859-23

Date Collected: 06/18/21 14:27

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/24/21 23:57	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/24/21 23:57	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/24/21 23:57	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/24/21 23:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	06/24/21 14:55	06/24/21 23:57	1
o-Terphenyl	91		70 - 130	06/24/21 14:55	06/24/21 23:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.11		5.05	mg/Kg			06/28/21 20:15	1

Client Sample ID: FS24

Lab Sample ID: 890-859-24

Date Collected: 06/18/21 14:43

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 15:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 15:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 15:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/24/21 13:20	06/25/21 15:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 15:12	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/24/21 13:20	06/25/21 15:12	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/24/21 13:20	06/25/21 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	06/24/21 13:20	06/25/21 15:12	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/24/21 13:20	06/25/21 15:12	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	<49.8	U	49.8	mg/Kg		06/24/21 14:55	06/25/21 00:18	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/24/21 14:55	06/25/21 00:18	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/24/21 14:55	06/25/21 00:18	1
Total TPH	<49.8	U	49.8	mg/Kg		06/24/21 14:55	06/25/21 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	06/24/21 14:55	06/25/21 00:18	1
o-Terphenyl	87		70 - 130	06/24/21 14:55	06/25/21 00:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.3		5.05	mg/Kg			06/29/21 13:11	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS25

Lab Sample ID: 890-859-25

Date Collected: 06/18/21 14:45

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 15:37	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 15:37	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 15:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/24/21 13:20	06/25/21 15:37	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 15:37	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/24/21 13:20	06/25/21 15:37	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/24/21 13:20	06/25/21 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/24/21 13:20	06/25/21 15:37	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/24/21 13:20	06/25/21 15:37	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	<49.8	U	49.8	mg/Kg		06/24/21 14:55	06/25/21 00:39	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/24/21 14:55	06/25/21 00:39	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/24/21 14:55	06/25/21 00:39	1
Total TPH	<49.8	U	49.8	mg/Kg		06/24/21 14:55	06/25/21 00:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130	06/24/21 14:55	06/25/21 00:39	1
o-Terphenyl	104		70 - 130	06/24/21 14:55	06/25/21 00:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	134		25.0	mg/Kg			06/28/21 20:26	5

Client Sample ID: FS26

Lab Sample ID: 890-859-26

Date Collected: 06/18/21 14:48

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 16:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 16:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 16:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 16:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 16:02	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 16:02	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/24/21 13:20	06/25/21 16:02	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/24/21 13:20	06/25/21 16:02	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS26

Lab Sample ID: 890-859-26

Date Collected: 06/18/21 14:48

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		06/24/21 14:55	06/25/21 01:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/24/21 14:55	06/25/21 01:00	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/24/21 14:55	06/25/21 01:00	1
Total TPH	<49.7	U	49.7	mg/Kg		06/24/21 14:55	06/25/21 01:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	06/24/21 14:55	06/25/21 01:00	1
o-Terphenyl	88		70 - 130	06/24/21 14:55	06/25/21 01:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.4		4.98	mg/Kg			06/29/21 13:17	1

Client Sample ID: FS27

Lab Sample ID: 890-859-27

Date Collected: 06/18/21 14:50

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 16:27	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 16:27	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 16:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/24/21 13:20	06/25/21 16:27	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 16:27	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/24/21 13:20	06/25/21 16:27	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/24/21 13:20	06/25/21 16:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		70 - 130	06/24/21 13:20	06/25/21 16:27	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/24/21 13:20	06/25/21 16:27	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	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 01:20	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 01:20	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 01:20	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 01:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/24/21 14:55	06/25/21 01:20	1
o-Terphenyl	95		70 - 130	06/24/21 14:55	06/25/21 01:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.6		4.97	mg/Kg			06/29/21 13:22	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS28

Lab Sample ID: 890-859-28

Date Collected: 06/18/21 14:51

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		06/24/21 13:20	06/25/21 16:52	1
Toluene	<0.00198	U	0.00198	mg/Kg		06/24/21 13:20	06/25/21 16:52	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		06/24/21 13:20	06/25/21 16:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		06/24/21 13:20	06/25/21 16:52	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		06/24/21 13:20	06/25/21 16:52	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		06/24/21 13:20	06/25/21 16:52	1
Total BTEX	<0.00396	U	0.00396	mg/Kg		06/24/21 13:20	06/25/21 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130	06/24/21 13:20	06/25/21 16:52	1
1,4-Difluorobenzene (Surr)	96		70 - 130	06/24/21 13:20	06/25/21 16:52	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	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 01:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 01:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 01:41	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 01:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	06/24/21 14:55	06/25/21 01:41	1
o-Terphenyl	78		70 - 130	06/24/21 14:55	06/25/21 01:41	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	80.1		4.95	mg/Kg			06/29/21 13:28	1

Client Sample ID: FS29

Lab Sample ID: 890-859-29

Date Collected: 06/18/21 15:05

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 18:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 18:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 18:33	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/24/21 13:20	06/25/21 18:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 18:33	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/24/21 13:20	06/25/21 18:33	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/24/21 13:20	06/25/21 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	06/24/21 13:20	06/25/21 18:33	1
1,4-Difluorobenzene (Surr)	86		70 - 130	06/24/21 13:20	06/25/21 18:33	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS29

Lab Sample ID: 890-859-29

Date Collected: 06/18/21 15:05

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

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		06/24/21 14:55	06/25/21 02:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/24/21 14:55	06/25/21 02:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/24/21 14:55	06/25/21 02:02	1
Total TPH	<49.9	U	49.9	mg/Kg		06/24/21 14:55	06/25/21 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130	06/24/21 14:55	06/25/21 02:02	1
o-Terphenyl	83		70 - 130	06/24/21 14:55	06/25/21 02:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93.5		5.00	mg/Kg			06/29/21 13:33	1

Client Sample ID: FS30

Lab Sample ID: 890-859-30

Date Collected: 06/18/21 15:07

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 18:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 18:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 18:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 18:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 18:58	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 18:58	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130	06/24/21 13:20	06/25/21 18:58	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/24/21 13:20	06/25/21 18:58	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		06/24/21 14:55	06/25/21 02:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/24/21 14:55	06/25/21 02:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/24/21 14:55	06/25/21 02:23	1
Total TPH	<49.9	U	49.9	mg/Kg		06/24/21 14:55	06/25/21 02:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/24/21 14:55	06/25/21 02:23	1
o-Terphenyl	96		70 - 130	06/24/21 14:55	06/25/21 02:23	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	26.8		5.02	mg/Kg			06/29/21 15:09	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS31

Lab Sample ID: 890-859-31

Date Collected: 06/18/21 15:09

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:20	06/25/21 19:23	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:20	06/25/21 19:23	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:20	06/25/21 19:23	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/24/21 13:20	06/25/21 19:23	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:20	06/25/21 19:23	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/24/21 13:20	06/25/21 19:23	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		06/24/21 13:20	06/25/21 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	140	S1+	70 - 130	06/24/21 13:20	06/25/21 19:23	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/24/21 13:20	06/25/21 19:23	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	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 03:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 03:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 03:04	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 03:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	06/24/21 14:55	06/25/21 03:04	1
o-Terphenyl	91		70 - 130	06/24/21 14:55	06/25/21 03:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35.0		5.05	mg/Kg			06/29/21 09:32	1

Client Sample ID: SW01

Lab Sample ID: 890-859-32

Date Collected: 06/22/21 09:02

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: 0 - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:20	06/25/21 19:48	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:20	06/25/21 19:48	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:20	06/25/21 19:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/24/21 13:20	06/25/21 19:48	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/24/21 13:20	06/25/21 19:48	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/24/21 13:20	06/25/21 19:48	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		06/24/21 13:20	06/25/21 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	06/24/21 13:20	06/25/21 19:48	1
1,4-Difluorobenzene (Surr)	86		70 - 130	06/24/21 13:20	06/25/21 19:48	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: SW01

Lab Sample ID: 890-859-32

Date Collected: 06/22/21 09:02

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: 0 - 2

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 03:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 03:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 03:25	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 03:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/24/21 14:55	06/25/21 03:25	1
o-Terphenyl	92		70 - 130	06/24/21 14:55	06/25/21 03:25	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	191		25.1	mg/Kg			06/29/21 09:38	5

Client Sample ID: SW02

Lab Sample ID: 890-859-33

Date Collected: 06/22/21 09:03

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: 0 - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 20:13	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 20:13	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 20:13	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 20:13	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 20:13	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 20:13	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 20:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	06/24/21 13:20	06/25/21 20:13	1
1,4-Difluorobenzene (Surr)	85		70 - 130	06/24/21 13:20	06/25/21 20:13	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		06/24/21 14:55	06/25/21 03:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		06/24/21 14:55	06/25/21 03:46	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/24/21 14:55	06/25/21 03:46	1
Total TPH	<49.9	U	49.9	mg/Kg		06/24/21 14:55	06/25/21 03:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	06/24/21 14:55	06/25/21 03:46	1
o-Terphenyl	99		70 - 130	06/24/21 14:55	06/25/21 03:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.5		4.95	mg/Kg			06/29/21 15:25	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: SW03

Lab Sample ID: 890-859-34

Date Collected: 06/22/21 09:05

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: 0 - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 20:38	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 20:38	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 20:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/24/21 13:20	06/25/21 20:38	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/24/21 13:20	06/25/21 20:38	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/24/21 13:20	06/25/21 20:38	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/24/21 13:20	06/25/21 20:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130	06/24/21 13:20	06/25/21 20:38	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/24/21 13:20	06/25/21 20:38	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	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 04:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 04:07	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 04:07	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 04:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/24/21 14:55	06/25/21 04:07	1
o-Terphenyl	91		70 - 130	06/24/21 14:55	06/25/21 04:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63.1		5.01	mg/Kg			06/29/21 15:31	1

Client Sample ID: SW04

Lab Sample ID: 890-859-35

Date Collected: 06/22/21 09:15

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: 0 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 21:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 21:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 21:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 21:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 21:03	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 21:03	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 21:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		70 - 130	06/24/21 13:20	06/25/21 21:03	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/24/21 13:20	06/25/21 21:03	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: SW04

Lab Sample ID: 890-859-35

Date Collected: 06/22/21 09:15

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: 0 - 1.5

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 04:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 04:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 04:28	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 04:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	06/24/21 14:55	06/25/21 04:28	1
o-Terphenyl	88		70 - 130	06/24/21 14:55	06/25/21 04:28	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.7		4.98	mg/Kg			06/29/21 15:36	1

Client Sample ID: SW05

Lab Sample ID: 890-859-36

Date Collected: 06/22/21 09:18

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: 0 - 1.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 21:28	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 21:28	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 21:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/24/21 13:20	06/25/21 21:28	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 21:28	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/24/21 13:20	06/25/21 21:28	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/24/21 13:20	06/25/21 21:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	06/24/21 13:20	06/25/21 21:28	1
1,4-Difluorobenzene (Surr)	98		70 - 130	06/24/21 13:20	06/25/21 21:28	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	<49.8	U	49.8	mg/Kg		06/24/21 14:55	06/25/21 04:48	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/24/21 14:55	06/25/21 04:48	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/24/21 14:55	06/25/21 04:48	1
Total TPH	<49.8	U	49.8	mg/Kg		06/24/21 14:55	06/25/21 04:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	06/24/21 14:55	06/25/21 04:48	1
o-Terphenyl	101		70 - 130	06/24/21 14:55	06/25/21 04:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.98		4.97	mg/Kg			06/29/21 10:11	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: SW06

Lab Sample ID: 890-859-37

Date Collected: 06/22/21 09:20

Matrix: Solid

Date Received: 06/23/21 10:15

Sample Depth: 0 - 2

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 21:53	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 21:53	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 21:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 21:53	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 21:53	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 21:53	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/24/21 13:20	06/25/21 21:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/24/21 13:20	06/25/21 21:53	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/24/21 13:20	06/25/21 21:53	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	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 05:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 05:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 05:09	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/25/21 05:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130	06/24/21 14:55	06/25/21 05:09	1
o-Terphenyl	80		70 - 130	06/24/21 14:55	06/25/21 05:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.5		5.01	mg/Kg			06/29/21 15:42	1

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1	DFBZ1
		(70-130)	(70-130)
890-859-1	FS01	116	98
890-859-2	FS02	114	98
890-859-3	FS03	114	97
890-859-4	FS04	114	98
890-859-5	FS05	119	97
890-859-6	FS06	116	96
890-859-7	FS07	123	96
890-859-8	FS08	116	97
890-859-9	FS09	111	99
890-859-10	FS10	121	92
890-859-11	FS11	114	98
890-859-12	FS12	114	98
890-859-13	FS13	124	93
890-859-14	FS14	114	99
890-859-15	FS15	110	100
890-859-16	FS16	111	100
890-859-17	FS17	113	97
890-859-18	FS18	124	93
890-859-19	FS19	100	84
890-859-19 MS	FS19	87	104
890-859-19 MSD	FS19	90	100
890-859-20	FS20	92	93
890-859-21	FS21	94	95
890-859-22	FS22	99	95
890-859-23	FS23	91	93
890-859-24	FS24	97	98
890-859-25	FS25	101	98
890-859-26	FS26	95	97
890-859-27	FS27	85	91
890-859-28	FS28	88	96
890-859-29	FS29	90	86
890-859-30	FS30	82	89
890-859-31	FS31	140 S1+	95
890-859-32	SW01	78	86
890-859-33	SW02	80	85
890-859-34	SW03	92	95
890-859-35	SW04	90	92
890-859-36	SW05	95	98
890-859-37	SW06	100	100
LCS 880-4589/1-A	Lab Control Sample	103	95
LCS 880-4592/1-A	Lab Control Sample	93	99
LCSD 880-4589/2-A	Lab Control Sample Dup	105	95
LCSD 880-4592/2-A	Lab Control Sample Dup	85	98
MB 880-4498/5-A	Method Blank	112	93
MB 880-4589/5-A	Method Blank	111	92
MB 880-4592/5-A	Method Blank	60 S1-	80

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

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)
890-859-1	FS01	110	114
890-859-1 MS	FS01	95	87
890-859-1 MSD	FS01	92	84
890-859-2	FS02	96	99
890-859-3	FS03	107	111
890-859-4	FS04	97	102
890-859-5	FS05	95	97
890-859-6	FS06	103	103
890-859-7	FS07	92	97
890-859-8	FS08	106	108
890-859-9	FS09	111	117
890-859-10	FS10	112	114
890-859-11	FS11	115	118
890-859-12	FS12	112	115
890-859-13	FS13	95	90
890-859-14	FS14	104	103
890-859-15	FS15	89	98
890-859-16	FS16	113	116
890-859-17	FS17	100	104
890-859-18	FS18	95	94
890-859-19	FS19	98	96
890-859-20	FS20	94	102
890-859-21	FS21	88	85
890-859-21 MS	FS21	86	79
890-859-21 MSD	FS21	86	80
890-859-22	FS22	100	98
890-859-23	FS23	91	91
890-859-24	FS24	88	87
890-859-25	FS25	102	104
890-859-26	FS26	90	88
890-859-27	FS27	95	95
890-859-28	FS28	83	78
890-859-29	FS29	85	83
890-859-30	FS30	95	96
890-859-31	FS31	94	91
890-859-32	SW01	93	92
890-859-33	SW02	96	99
890-859-34	SW03	93	91
890-859-35	SW04	89	88
890-859-36	SW05	97	101
890-859-37	SW06	80	80
LCS 880-4597/2-A	Lab Control Sample	108	106
LCS 880-4599/2-A	Lab Control Sample	115	112
LCSD 880-4597/3-A	Lab Control Sample Dup	90	88
LCSD 880-4599/3-A	Lab Control Sample Dup	112	106
MB 880-4597/1-A	Method Blank	99	109
MB 880-4599/1-A	Method Blank	103	104

Surrogate Legend

1CO = 1-Chlorooctane

Eurofins Xenco, Carlsbad

Surrogate Summary

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H
OTPH = o-Terphenyl

Job ID: 890-859-1
SDG: TE012921009

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QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4498/5-A

Matrix: Solid

Analysis Batch: 4550

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4498

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/23/21 09:41	06/24/21 11:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/23/21 09:41	06/24/21 11:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/23/21 09:41	06/24/21 11:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/23/21 09:41	06/24/21 11:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/23/21 09:41	06/24/21 11:58	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/23/21 09:41	06/24/21 11:58	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/23/21 09:41	06/24/21 11:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/23/21 09:41	06/24/21 11:58	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/23/21 09:41	06/24/21 11:58	1

Lab Sample ID: MB 880-4589/5-A

Matrix: Solid

Analysis Batch: 4550

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4589

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/24/21 23:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/24/21 23:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/24/21 23:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/24/21 13:04	06/24/21 23:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:04	06/24/21 23:34	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/24/21 13:04	06/24/21 23:34	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/24/21 13:04	06/24/21 23:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/24/21 13:04	06/24/21 23:34	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/24/21 13:04	06/24/21 23:34	1

Lab Sample ID: LCS 880-4589/1-A

Matrix: Solid

Analysis Batch: 4550

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 4589

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09364		mg/Kg		94	70 - 130
Toluene	0.100	0.1056		mg/Kg		106	70 - 130
Ethylbenzene	0.100	0.1112		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2292		mg/Kg		115	70 - 130
o-Xylene	0.100	0.1127		mg/Kg		113	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

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

Lab Sample ID: LCSD 880-4589/2-A

Matrix: Solid

Analysis Batch: 4550

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4589

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.09326		mg/Kg		93	70 - 130	0	35
Toluene	0.100	0.1075		mg/Kg		107	70 - 130	2	35
Ethylbenzene	0.100	0.1105		mg/Kg		111	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2271		mg/Kg		114	70 - 130	1	35
o-Xylene	0.100	0.1138		mg/Kg		114	70 - 130	1	35

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

Lab Sample ID: MB 880-4592/5-A

Matrix: Solid

Analysis Batch: 4608

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4592

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 12:41	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 12:41	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 12:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/24/21 13:20	06/25/21 12:41	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/24/21 13:20	06/25/21 12:41	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/24/21 13:20	06/25/21 12:41	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/24/21 13:20	06/25/21 12:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	60	S1-	70 - 130	06/24/21 13:20	06/25/21 12:41	1
1,4-Difluorobenzene (Surr)	80		70 - 130	06/24/21 13:20	06/25/21 12:41	1

Lab Sample ID: LCS 880-4592/1-A

Matrix: Solid

Analysis Batch: 4608

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 4592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.09074		mg/Kg		91	70 - 130
Toluene	0.100	0.1020		mg/Kg		102	70 - 130
Ethylbenzene	0.100	0.08452		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.1776		mg/Kg		89	70 - 130
o-Xylene	0.100	0.09260		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-4592/2-A

Matrix: Solid

Analysis Batch: 4608

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4592

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.08762		mg/Kg		88	70 - 130	3	35

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

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

Lab Sample ID: LCSD 880-4592/2-A

Matrix: Solid

Analysis Batch: 4608

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4592

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene	0.100	0.08407		mg/Kg		84	70 - 130	19	35
Ethylbenzene	0.100	0.07970		mg/Kg		80	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.1673		mg/Kg		84	70 - 130	6	35
o-Xylene	0.100	0.08667		mg/Kg		87	70 - 130	7	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: 890-859-19 MS

Matrix: Solid

Analysis Batch: 4608

Client Sample ID: FS19

Prep Type: Total/NA

Prep Batch: 4592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	<0.00200	U F1	0.0998	0.05287	F1	mg/Kg		53	70 - 130
Toluene	<0.00200	U F1	0.0998	0.05896	F1	mg/Kg		59	70 - 130
Ethylbenzene	<0.00200	U F1	0.0998	0.05324	F1	mg/Kg		53	70 - 130
m-Xylene & p-Xylene	<0.00399	U F1	0.200	0.1118	F1	mg/Kg		56	70 - 130
o-Xylene	<0.00200	U F1	0.0998	0.05903	F1	mg/Kg		59	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-859-19 MSD

Matrix: Solid

Analysis Batch: 4608

Client Sample ID: FS19

Prep Type: Total/NA

Prep Batch: 4592

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.101	0.05912	F1	mg/Kg		59	70 - 130	11	35
Toluene	<0.00200	U F1	0.101	0.05847	F1	mg/Kg		58	70 - 130	1	35
Ethylbenzene	<0.00200	U F1	0.101	0.05690	F1	mg/Kg		56	70 - 130	7	35
m-Xylene & p-Xylene	<0.00399	U F1	0.202	0.1203	F1	mg/Kg		60	70 - 130	7	35
o-Xylene	<0.00200	U F1	0.101	0.06349	F1	mg/Kg		63	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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

Lab Sample ID: MB 880-4597/1-A

Matrix: Solid

Analysis Batch: 4668

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4597

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		06/24/21 14:40	06/26/21 12:53	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

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

Lab Sample ID: MB 880-4597/1-A

Matrix: Solid

Analysis Batch: 4668

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4597

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 12:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 12:53	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:40	06/26/21 12:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	06/24/21 14:40	06/26/21 12:53	1
o-Terphenyl	109		70 - 130	06/24/21 14:40	06/26/21 12:53	1

Lab Sample ID: LCS 880-4597/2-A

Matrix: Solid

Analysis Batch: 4668

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 4597

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	932.5		mg/Kg		93	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1039		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: LCSD 880-4597/3-A

Matrix: Solid

Analysis Batch: 4668

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4597

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	825.0		mg/Kg		83	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	1000	861.1		mg/Kg		86	70 - 130	19	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	88		70 - 130

Lab Sample ID: 890-859-1 MS

Matrix: Solid

Analysis Batch: 4668

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 4597

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	999	906.8		mg/Kg		91	70 - 130
Diesel Range Organics (Over C10-C28)	<49.7	U	999	941.1		mg/Kg		94	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	95		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

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

Lab Sample ID: 890-859-1 MS

Matrix: Solid

Analysis Batch: 4668

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 4597

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	87		70 - 130

Lab Sample ID: 890-859-1 MSD

Matrix: Solid

Analysis Batch: 4668

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 4597

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	<49.7	U	997	860.4		mg/Kg		86	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	<49.7	U	997	918.7		mg/Kg		92	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
<i>o</i> -Terphenyl	84		70 - 130

Lab Sample ID: MB 880-4599/1-A

Matrix: Solid

Analysis Batch: 4568

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4599

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		06/24/21 14:55	06/24/21 21:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/24/21 21:32	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/24/21 21:32	1
Total TPH	<50.0	U	50.0	mg/Kg		06/24/21 14:55	06/24/21 21:32	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
1-Chlorooctane	103		70 - 130	06/24/21 14:55	06/24/21 21:32	1		
<i>o</i> -Terphenyl	104		70 - 130	06/24/21 14:55	06/24/21 21:32	1		

Lab Sample ID: LCS 880-4599/2-A

Matrix: Solid

Analysis Batch: 4568

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 4599

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	1000	956.1		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1055		mg/Kg		105	70 - 130

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
<i>o</i> -Terphenyl	112		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

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

Lab Sample ID: LCSD 880-4599/3-A

Matrix: Solid

Analysis Batch: 4568

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4599

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	950.2		mg/Kg		95	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	999.2		mg/Kg		100	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	112		70 - 130						
o-Terphenyl	106		70 - 130						

Lab Sample ID: 890-859-21 MS

Matrix: Solid

Analysis Batch: 4568

Client Sample ID: FS21

Prep Type: Total/NA

Prep Batch: 4599

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	<49.7	U	999	759.4		mg/Kg		76	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.7	U	999	770.1		mg/Kg		77	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	86		70 - 130								
o-Terphenyl	79		70 - 130								

Lab Sample ID: 890-859-21 MSD

Matrix: Solid

Analysis Batch: 4568

Client Sample ID: FS21

Prep Type: Total/NA

Prep Batch: 4599

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	<49.7	U	997	783.8		mg/Kg		79	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.7	U	997	788.4		mg/Kg		79	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	86		70 - 130								
o-Terphenyl	80		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4583/1-A

Matrix: Solid

Analysis Batch: 4658

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			06/28/21 16:32	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-4583/2-A

Matrix: Solid

Analysis Batch: 4658

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	244.9		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-4583/3-A

Matrix: Solid

Analysis Batch: 4658

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	245.7		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-859-10 MS

Matrix: Solid

Analysis Batch: 4658

Client Sample ID: FS10

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	355		1250	1619		mg/Kg		101	90 - 110

Lab Sample ID: 890-859-10 MSD

Matrix: Solid

Analysis Batch: 4658

Client Sample ID: FS10

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	355		1250	1623		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-859-20 MS

Matrix: Solid

Analysis Batch: 4658

Client Sample ID: FS20

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	137		248	385.6		mg/Kg		100	90 - 110

Lab Sample ID: 890-859-20 MSD

Matrix: Solid

Analysis Batch: 4658

Client Sample ID: FS20

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	137		248	390.2		mg/Kg		102	90 - 110	1	20

Lab Sample ID: MB 880-4582/1-A

Matrix: Solid

Analysis Batch: 4659

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			06/28/21 21:15	1

Lab Sample ID: LCS 880-4582/2-A

Matrix: Solid

Analysis Batch: 4659

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	246.1		mg/Kg		98	90 - 110

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-4582/3-A

Matrix: Solid

Analysis Batch: 4659

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	250	242.3		mg/Kg		97	90 - 110	2	20

Lab Sample ID: MB 880-4584/1-A

Matrix: Solid

Analysis Batch: 4716

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			06/29/21 08:59	1

Lab Sample ID: LCS 880-4584/2-A

Matrix: Solid

Analysis Batch: 4716

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD
Chloride	250	244.1		mg/Kg		98	90 - 110	

Lab Sample ID: LCSD 880-4584/3-A

Matrix: Solid

Analysis Batch: 4716

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	244.5		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-859-30 MS

Matrix: Solid

Analysis Batch: 4716

Client Sample ID: FS30

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD
Chloride	26.8		250	281.3		mg/Kg		102	90 - 110	

Lab Sample ID: 890-859-30 MSD

Matrix: Solid

Analysis Batch: 4716

Client Sample ID: FS30

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	26.8		250	283.7		mg/Kg		103	90 - 110	1	20

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

GC VOA

Prep Batch: 4498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-4498/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 4550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-1	FS01	Total/NA	Solid	8021B	4589
890-859-2	FS02	Total/NA	Solid	8021B	4589
890-859-3	FS03	Total/NA	Solid	8021B	4589
890-859-4	FS04	Total/NA	Solid	8021B	4589
890-859-5	FS05	Total/NA	Solid	8021B	4589
890-859-6	FS06	Total/NA	Solid	8021B	4589
890-859-7	FS07	Total/NA	Solid	8021B	4589
890-859-8	FS08	Total/NA	Solid	8021B	4589
890-859-9	FS09	Total/NA	Solid	8021B	4589
890-859-10	FS10	Total/NA	Solid	8021B	4589
890-859-11	FS11	Total/NA	Solid	8021B	4589
890-859-12	FS12	Total/NA	Solid	8021B	4589
890-859-13	FS13	Total/NA	Solid	8021B	4589
890-859-14	FS14	Total/NA	Solid	8021B	4589
890-859-15	FS15	Total/NA	Solid	8021B	4589
890-859-16	FS16	Total/NA	Solid	8021B	4589
890-859-17	FS17	Total/NA	Solid	8021B	4589
890-859-18	FS18	Total/NA	Solid	8021B	4589
MB 880-4498/5-A	Method Blank	Total/NA	Solid	8021B	4498
MB 880-4589/5-A	Method Blank	Total/NA	Solid	8021B	4589
LCS 880-4589/1-A	Lab Control Sample	Total/NA	Solid	8021B	4589
LCSD 880-4589/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4589

Prep Batch: 4589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-1	FS01	Total/NA	Solid	5035	
890-859-2	FS02	Total/NA	Solid	5035	
890-859-3	FS03	Total/NA	Solid	5035	
890-859-4	FS04	Total/NA	Solid	5035	
890-859-5	FS05	Total/NA	Solid	5035	
890-859-6	FS06	Total/NA	Solid	5035	
890-859-7	FS07	Total/NA	Solid	5035	
890-859-8	FS08	Total/NA	Solid	5035	
890-859-9	FS09	Total/NA	Solid	5035	
890-859-10	FS10	Total/NA	Solid	5035	
890-859-11	FS11	Total/NA	Solid	5035	
890-859-12	FS12	Total/NA	Solid	5035	
890-859-13	FS13	Total/NA	Solid	5035	
890-859-14	FS14	Total/NA	Solid	5035	
890-859-15	FS15	Total/NA	Solid	5035	
890-859-16	FS16	Total/NA	Solid	5035	
890-859-17	FS17	Total/NA	Solid	5035	
890-859-18	FS18	Total/NA	Solid	5035	
MB 880-4589/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4589/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4589/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

GC VOA

Prep Batch: 4592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-19	FS19	Total/NA	Solid	5035	
890-859-20	FS20	Total/NA	Solid	5035	
890-859-21	FS21	Total/NA	Solid	5035	
890-859-22	FS22	Total/NA	Solid	5035	
890-859-23	FS23	Total/NA	Solid	5035	
890-859-24	FS24	Total/NA	Solid	5035	
890-859-25	FS25	Total/NA	Solid	5035	
890-859-26	FS26	Total/NA	Solid	5035	
890-859-27	FS27	Total/NA	Solid	5035	
890-859-28	FS28	Total/NA	Solid	5035	
890-859-29	FS29	Total/NA	Solid	5035	
890-859-30	FS30	Total/NA	Solid	5035	
890-859-31	FS31	Total/NA	Solid	5035	
890-859-32	SW01	Total/NA	Solid	5035	
890-859-33	SW02	Total/NA	Solid	5035	
890-859-34	SW03	Total/NA	Solid	5035	
890-859-35	SW04	Total/NA	Solid	5035	
890-859-36	SW05	Total/NA	Solid	5035	
890-859-37	SW06	Total/NA	Solid	5035	
MB 880-4592/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4592/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4592/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-859-19 MS	FS19	Total/NA	Solid	5035	
890-859-19 MSD	FS19	Total/NA	Solid	5035	

Analysis Batch: 4608

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-19	FS19	Total/NA	Solid	8021B	4592
890-859-20	FS20	Total/NA	Solid	8021B	4592
890-859-21	FS21	Total/NA	Solid	8021B	4592
890-859-22	FS22	Total/NA	Solid	8021B	4592
890-859-23	FS23	Total/NA	Solid	8021B	4592
890-859-24	FS24	Total/NA	Solid	8021B	4592
890-859-25	FS25	Total/NA	Solid	8021B	4592
890-859-26	FS26	Total/NA	Solid	8021B	4592
890-859-27	FS27	Total/NA	Solid	8021B	4592
890-859-28	FS28	Total/NA	Solid	8021B	4592
890-859-29	FS29	Total/NA	Solid	8021B	4592
890-859-30	FS30	Total/NA	Solid	8021B	4592
890-859-31	FS31	Total/NA	Solid	8021B	4592
890-859-32	SW01	Total/NA	Solid	8021B	4592
890-859-33	SW02	Total/NA	Solid	8021B	4592
890-859-34	SW03	Total/NA	Solid	8021B	4592
890-859-35	SW04	Total/NA	Solid	8021B	4592
890-859-36	SW05	Total/NA	Solid	8021B	4592
890-859-37	SW06	Total/NA	Solid	8021B	4592
MB 880-4592/5-A	Method Blank	Total/NA	Solid	8021B	4592
LCS 880-4592/1-A	Lab Control Sample	Total/NA	Solid	8021B	4592
LCSD 880-4592/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4592
890-859-19 MS	FS19	Total/NA	Solid	8021B	4592
890-859-19 MSD	FS19	Total/NA	Solid	8021B	4592

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

GC Semi VOA

Analysis Batch: 4568

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-21	FS21	Total/NA	Solid	8015B NM	4599
890-859-22	FS22	Total/NA	Solid	8015B NM	4599
890-859-23	FS23	Total/NA	Solid	8015B NM	4599
890-859-24	FS24	Total/NA	Solid	8015B NM	4599
890-859-25	FS25	Total/NA	Solid	8015B NM	4599
890-859-26	FS26	Total/NA	Solid	8015B NM	4599
890-859-27	FS27	Total/NA	Solid	8015B NM	4599
890-859-28	FS28	Total/NA	Solid	8015B NM	4599
890-859-29	FS29	Total/NA	Solid	8015B NM	4599
890-859-30	FS30	Total/NA	Solid	8015B NM	4599
890-859-31	FS31	Total/NA	Solid	8015B NM	4599
890-859-32	SW01	Total/NA	Solid	8015B NM	4599
890-859-33	SW02	Total/NA	Solid	8015B NM	4599
890-859-34	SW03	Total/NA	Solid	8015B NM	4599
890-859-35	SW04	Total/NA	Solid	8015B NM	4599
890-859-36	SW05	Total/NA	Solid	8015B NM	4599
890-859-37	SW06	Total/NA	Solid	8015B NM	4599
MB 880-4599/1-A	Method Blank	Total/NA	Solid	8015B NM	4599
LCS 880-4599/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4599
LCSD 880-4599/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4599
890-859-21 MS	FS21	Total/NA	Solid	8015B NM	4599
890-859-21 MSD	FS21	Total/NA	Solid	8015B NM	4599

Prep Batch: 4597

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-1	FS01	Total/NA	Solid	8015NM Prep	
890-859-2	FS02	Total/NA	Solid	8015NM Prep	
890-859-3	FS03	Total/NA	Solid	8015NM Prep	
890-859-4	FS04	Total/NA	Solid	8015NM Prep	
890-859-5	FS05	Total/NA	Solid	8015NM Prep	
890-859-6	FS06	Total/NA	Solid	8015NM Prep	
890-859-7	FS07	Total/NA	Solid	8015NM Prep	
890-859-8	FS08	Total/NA	Solid	8015NM Prep	
890-859-9	FS09	Total/NA	Solid	8015NM Prep	
890-859-10	FS10	Total/NA	Solid	8015NM Prep	
890-859-11	FS11	Total/NA	Solid	8015NM Prep	
890-859-12	FS12	Total/NA	Solid	8015NM Prep	
890-859-13	FS13	Total/NA	Solid	8015NM Prep	
890-859-14	FS14	Total/NA	Solid	8015NM Prep	
890-859-15	FS15	Total/NA	Solid	8015NM Prep	
890-859-16	FS16	Total/NA	Solid	8015NM Prep	
890-859-17	FS17	Total/NA	Solid	8015NM Prep	
890-859-18	FS18	Total/NA	Solid	8015NM Prep	
890-859-19	FS19	Total/NA	Solid	8015NM Prep	
890-859-20	FS20	Total/NA	Solid	8015NM Prep	
MB 880-4597/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4597/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4597/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-859-1 MS	FS01	Total/NA	Solid	8015NM Prep	
890-859-1 MSD	FS01	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

GC Semi VOA

Prep Batch: 4599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-21	FS21	Total/NA	Solid	8015NM Prep	
890-859-22	FS22	Total/NA	Solid	8015NM Prep	
890-859-23	FS23	Total/NA	Solid	8015NM Prep	
890-859-24	FS24	Total/NA	Solid	8015NM Prep	
890-859-25	FS25	Total/NA	Solid	8015NM Prep	
890-859-26	FS26	Total/NA	Solid	8015NM Prep	
890-859-27	FS27	Total/NA	Solid	8015NM Prep	
890-859-28	FS28	Total/NA	Solid	8015NM Prep	
890-859-29	FS29	Total/NA	Solid	8015NM Prep	
890-859-30	FS30	Total/NA	Solid	8015NM Prep	
890-859-31	FS31	Total/NA	Solid	8015NM Prep	
890-859-32	SW01	Total/NA	Solid	8015NM Prep	
890-859-33	SW02	Total/NA	Solid	8015NM Prep	
890-859-34	SW03	Total/NA	Solid	8015NM Prep	
890-859-35	SW04	Total/NA	Solid	8015NM Prep	
890-859-36	SW05	Total/NA	Solid	8015NM Prep	
890-859-37	SW06	Total/NA	Solid	8015NM Prep	
MB 880-4599/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4599/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4599/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-859-21 MS	FS21	Total/NA	Solid	8015NM Prep	
890-859-21 MSD	FS21	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-1	FS01	Total/NA	Solid	8015B NM	4597
890-859-2	FS02	Total/NA	Solid	8015B NM	4597
890-859-3	FS03	Total/NA	Solid	8015B NM	4597
890-859-4	FS04	Total/NA	Solid	8015B NM	4597
890-859-5	FS05	Total/NA	Solid	8015B NM	4597
890-859-6	FS06	Total/NA	Solid	8015B NM	4597
890-859-7	FS07	Total/NA	Solid	8015B NM	4597
890-859-8	FS08	Total/NA	Solid	8015B NM	4597
890-859-9	FS09	Total/NA	Solid	8015B NM	4597
890-859-10	FS10	Total/NA	Solid	8015B NM	4597
890-859-11	FS11	Total/NA	Solid	8015B NM	4597
890-859-12	FS12	Total/NA	Solid	8015B NM	4597
890-859-13	FS13	Total/NA	Solid	8015B NM	4597
890-859-14	FS14	Total/NA	Solid	8015B NM	4597
890-859-15	FS15	Total/NA	Solid	8015B NM	4597
890-859-16	FS16	Total/NA	Solid	8015B NM	4597
890-859-17	FS17	Total/NA	Solid	8015B NM	4597
890-859-18	FS18	Total/NA	Solid	8015B NM	4597
890-859-19	FS19	Total/NA	Solid	8015B NM	4597
890-859-20	FS20	Total/NA	Solid	8015B NM	4597
MB 880-4597/1-A	Method Blank	Total/NA	Solid	8015B NM	4597
LCS 880-4597/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4597
LCSD 880-4597/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4597
890-859-1 MS	FS01	Total/NA	Solid	8015B NM	4597
890-859-1 MSD	FS01	Total/NA	Solid	8015B NM	4597

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

HPLC/IC

Leach Batch: 4582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-1	FS01	Soluble	Solid	DI Leach	
890-859-2	FS02	Soluble	Solid	DI Leach	
890-859-3	FS03	Soluble	Solid	DI Leach	
890-859-4	FS04	Soluble	Solid	DI Leach	
890-859-5	FS05	Soluble	Solid	DI Leach	
890-859-6	FS06	Soluble	Solid	DI Leach	
890-859-7	FS07	Soluble	Solid	DI Leach	
890-859-8	FS08	Soluble	Solid	DI Leach	
890-859-9	FS09	Soluble	Solid	DI Leach	
MB 880-4582/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4582/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4582/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 4583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-10	FS10	Soluble	Solid	DI Leach	
890-859-11	FS11	Soluble	Solid	DI Leach	
890-859-12	FS12	Soluble	Solid	DI Leach	
890-859-13	FS13	Soluble	Solid	DI Leach	
890-859-14	FS14	Soluble	Solid	DI Leach	
890-859-15	FS15	Soluble	Solid	DI Leach	
890-859-16	FS16	Soluble	Solid	DI Leach	
890-859-17	FS17	Soluble	Solid	DI Leach	
890-859-18	FS18	Soluble	Solid	DI Leach	
890-859-19	FS19	Soluble	Solid	DI Leach	
890-859-20	FS20	Soluble	Solid	DI Leach	
890-859-21	FS21	Soluble	Solid	DI Leach	
890-859-22	FS22	Soluble	Solid	DI Leach	
890-859-23	FS23	Soluble	Solid	DI Leach	
890-859-24	FS24	Soluble	Solid	DI Leach	
890-859-25	FS25	Soluble	Solid	DI Leach	
890-859-26	FS26	Soluble	Solid	DI Leach	
890-859-27	FS27	Soluble	Solid	DI Leach	
890-859-28	FS28	Soluble	Solid	DI Leach	
890-859-29	FS29	Soluble	Solid	DI Leach	
MB 880-4583/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4583/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4583/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-859-10 MS	FS10	Soluble	Solid	DI Leach	
890-859-10 MSD	FS10	Soluble	Solid	DI Leach	
890-859-20 MS	FS20	Soluble	Solid	DI Leach	
890-859-20 MSD	FS20	Soluble	Solid	DI Leach	

Leach Batch: 4584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-30	FS30	Soluble	Solid	DI Leach	
890-859-31	FS31	Soluble	Solid	DI Leach	
890-859-32	SW01	Soluble	Solid	DI Leach	
890-859-33	SW02	Soluble	Solid	DI Leach	
890-859-34	SW03	Soluble	Solid	DI Leach	
890-859-35	SW04	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

HPLC/IC (Continued)

Leach Batch: 4584 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-36	SW05	Soluble	Solid	DI Leach	
890-859-37	SW06	Soluble	Solid	DI Leach	
MB 880-4584/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4584/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4584/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-859-30 MS	FS30	Soluble	Solid	DI Leach	
890-859-30 MSD	FS30	Soluble	Solid	DI Leach	

Analysis Batch: 4658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-10	FS10	Soluble	Solid	300.0	4583
890-859-11	FS11	Soluble	Solid	300.0	4583
890-859-12	FS12	Soluble	Solid	300.0	4583
890-859-13	FS13	Soluble	Solid	300.0	4583
890-859-14	FS14	Soluble	Solid	300.0	4583
890-859-15	FS15	Soluble	Solid	300.0	4583
890-859-16	FS16	Soluble	Solid	300.0	4583
890-859-17	FS17	Soluble	Solid	300.0	4583
890-859-18	FS18	Soluble	Solid	300.0	4583
890-859-19	FS19	Soluble	Solid	300.0	4583
890-859-20	FS20	Soluble	Solid	300.0	4583
890-859-21	FS21	Soluble	Solid	300.0	4583
890-859-22	FS22	Soluble	Solid	300.0	4583
890-859-23	FS23	Soluble	Solid	300.0	4583
890-859-24	FS24	Soluble	Solid	300.0	4583
890-859-25	FS25	Soluble	Solid	300.0	4583
890-859-26	FS26	Soluble	Solid	300.0	4583
890-859-27	FS27	Soluble	Solid	300.0	4583
890-859-28	FS28	Soluble	Solid	300.0	4583
890-859-29	FS29	Soluble	Solid	300.0	4583
MB 880-4583/1-A	Method Blank	Soluble	Solid	300.0	4583
LCS 880-4583/2-A	Lab Control Sample	Soluble	Solid	300.0	4583
LCSD 880-4583/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4583
890-859-10 MS	FS10	Soluble	Solid	300.0	4583
890-859-10 MSD	FS10	Soluble	Solid	300.0	4583
890-859-20 MS	FS20	Soluble	Solid	300.0	4583
890-859-20 MSD	FS20	Soluble	Solid	300.0	4583

Analysis Batch: 4659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-1	FS01	Soluble	Solid	300.0	4582
890-859-2	FS02	Soluble	Solid	300.0	4582
890-859-3	FS03	Soluble	Solid	300.0	4582
890-859-4	FS04	Soluble	Solid	300.0	4582
890-859-5	FS05	Soluble	Solid	300.0	4582
890-859-6	FS06	Soluble	Solid	300.0	4582
890-859-7	FS07	Soluble	Solid	300.0	4582
890-859-8	FS08	Soluble	Solid	300.0	4582
890-859-9	FS09	Soluble	Solid	300.0	4582
MB 880-4582/1-A	Method Blank	Soluble	Solid	300.0	4582
LCS 880-4582/2-A	Lab Control Sample	Soluble	Solid	300.0	4582

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

HPLC/IC (Continued)

Analysis Batch: 4659 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-4582/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4582

Analysis Batch: 4716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-859-30	FS30	Soluble	Solid	300.0	4584
890-859-31	FS31	Soluble	Solid	300.0	4584
890-859-32	SW01	Soluble	Solid	300.0	4584
890-859-33	SW02	Soluble	Solid	300.0	4584
890-859-34	SW03	Soluble	Solid	300.0	4584
890-859-35	SW04	Soluble	Solid	300.0	4584
890-859-36	SW05	Soluble	Solid	300.0	4584
890-859-37	SW06	Soluble	Solid	300.0	4584
MB 880-4584/1-A	Method Blank	Soluble	Solid	300.0	4584
LCS 880-4584/2-A	Lab Control Sample	Soluble	Solid	300.0	4584
LCSD 880-4584/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4584
890-859-30 MS	FS30	Soluble	Solid	300.0	4584
890-859-30 MSD	FS30	Soluble	Solid	300.0	4584

Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS01

Lab Sample ID: 890-859-1

Date Collected: 06/18/21 11:50

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 00:44	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 13:56	AM	XEN MID
Soluble	Leach	DI Leach			4582	06/24/21 12:04	CH	XEN MID
Soluble	Analysis	300.0		1	4659	06/29/21 13:55	CH	XEN MID

Client Sample ID: FS02

Lab Sample ID: 890-859-2

Date Collected: 06/18/21 11:52

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 01:04	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 15:00	AM	XEN MID
Soluble	Leach	DI Leach			4582	06/24/21 12:04	CH	XEN MID
Soluble	Analysis	300.0		1	4659	06/29/21 14:00	CH	XEN MID

Client Sample ID: FS03

Lab Sample ID: 890-859-3

Date Collected: 06/18/21 11:55

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 01:25	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 15:21	AM	XEN MID
Soluble	Leach	DI Leach			4582	06/24/21 12:04	CH	XEN MID
Soluble	Analysis	300.0		1	4659	06/29/21 14:06	CH	XEN MID

Client Sample ID: FS04

Lab Sample ID: 890-859-4

Date Collected: 06/18/21 11:57

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 01:45	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 15:42	AM	XEN MID
Soluble	Leach	DI Leach			4582	06/24/21 12:04	CH	XEN MID
Soluble	Analysis	300.0		1	4659	06/29/21 14:11	CH	XEN MID

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS05

Lab Sample ID: 890-859-5

Date Collected: 06/18/21 09:40

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 02:05	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 16:03	AM	XEN MID
Soluble	Leach	DI Leach			4582	06/24/21 12:04	CH	XEN MID
Soluble	Analysis	300.0		1	4659	06/29/21 14:17	CH	XEN MID

Client Sample ID: FS06

Lab Sample ID: 890-859-6

Date Collected: 06/18/21 12:12

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 02:26	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 16:24	AM	XEN MID
Soluble	Leach	DI Leach			4582	06/24/21 12:04	CH	XEN MID
Soluble	Analysis	300.0		1	4659	06/29/21 14:22	CH	XEN MID

Client Sample ID: FS07

Lab Sample ID: 890-859-7

Date Collected: 06/18/21 12:15

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 02:46	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 16:45	AM	XEN MID
Soluble	Leach	DI Leach			4582	06/24/21 12:04	CH	XEN MID
Soluble	Analysis	300.0		1	4659	06/29/21 14:28	CH	XEN MID

Client Sample ID: FS08

Lab Sample ID: 890-859-8

Date Collected: 06/18/21 09:46

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 03:07	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 17:06	AM	XEN MID
Soluble	Leach	DI Leach			4582	06/24/21 12:04	CH	XEN MID
Soluble	Analysis	300.0		1	4659	06/29/21 14:33	CH	XEN MID

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS09

Lab Sample ID: 890-859-9

Date Collected: 06/18/21 10:05

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 04:56	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 17:27	AM	XEN MID
Soluble	Leach	DI Leach			4582	06/24/21 12:04	CH	XEN MID
Soluble	Analysis	300.0		1	4659	06/29/21 14:39	CH	XEN MID

Client Sample ID: FS10

Lab Sample ID: 890-859-10

Date Collected: 06/17/21 13:45

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 05:17	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 17:49	AM	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		5	4658	06/28/21 17:08	CH	XEN MID

Client Sample ID: FS11

Lab Sample ID: 890-859-11

Date Collected: 06/18/21 10:10

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 05:37	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 18:31	AM	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/29/21 12:00	CH	XEN MID

Client Sample ID: FS12

Lab Sample ID: 890-859-12

Date Collected: 06/18/21 10:12

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 05:57	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 18:52	AM	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		5	4658	06/28/21 18:41	CH	XEN MID

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS13

Lab Sample ID: 890-859-13

Date Collected: 06/18/21 13:35

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 06:18	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 19:13	AM	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/29/21 12:06	CH	XEN MID

Client Sample ID: FS14

Lab Sample ID: 890-859-14

Date Collected: 06/18/21 13:38

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 06:38	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 19:35	AM	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/29/21 12:11	CH	XEN MID

Client Sample ID: FS15

Lab Sample ID: 890-859-15

Date Collected: 06/18/21 10:40

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 06:59	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 19:56	AM	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/29/21 12:16	CH	XEN MID

Client Sample ID: FS16

Lab Sample ID: 890-859-16

Date Collected: 06/18/21 10:42

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 07:19	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 20:17	AM	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		5	4658	06/28/21 19:14	CH	XEN MID

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS17

Lab Sample ID: 890-859-17

Date Collected: 06/18/21 10:44

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 07:39	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 20:38	AM	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		5	4658	06/28/21 19:20	CH	XEN MID

Client Sample ID: FS18

Lab Sample ID: 890-859-18

Date Collected: 06/18/21 13:41

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4589	06/24/21 13:04	MR	XEN MID
Total/NA	Analysis	8021B		1	4550	06/25/21 08:00	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 20:59	AM	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/29/21 12:22	CH	XEN MID

Client Sample ID: FS19

Lab Sample ID: 890-859-19

Date Collected: 06/18/21 14:18

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 13:06	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 21:20	AM	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/28/21 19:31	CH	XEN MID

Client Sample ID: FS20

Lab Sample ID: 890-859-20

Date Collected: 06/18/21 14:20

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 13:31	MR	XEN MID
Total/NA	Prep	8015NM Prep			4597	06/24/21 14:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4668	06/26/21 21:42	AM	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/29/21 12:33	CH	XEN MID

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS21

Lab Sample ID: 890-859-21

Date Collected: 06/18/21 14:22

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 13:56	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 22:34	AJ	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/29/21 12:49	CH	XEN MID

Client Sample ID: FS22

Lab Sample ID: 890-859-22

Date Collected: 06/18/21 14:25

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 14:21	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 23:36	AJ	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/29/21 13:06	CH	XEN MID

Client Sample ID: FS23

Lab Sample ID: 890-859-23

Date Collected: 06/18/21 14:27

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 14:47	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/24/21 23:57	AJ	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/28/21 20:15	CH	XEN MID

Client Sample ID: FS24

Lab Sample ID: 890-859-24

Date Collected: 06/18/21 14:43

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 15:12	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/25/21 00:18	AJ	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/29/21 13:11	CH	XEN MID

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS25

Lab Sample ID: 890-859-25

Date Collected: 06/18/21 14:45

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 15:37	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/25/21 00:39	AJ	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		5	4658	06/28/21 20:26	CH	XEN MID

Client Sample ID: FS26

Lab Sample ID: 890-859-26

Date Collected: 06/18/21 14:48

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 16:02	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/25/21 01:00	AJ	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/29/21 13:17	CH	XEN MID

Client Sample ID: FS27

Lab Sample ID: 890-859-27

Date Collected: 06/18/21 14:50

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 16:27	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/25/21 01:20	AJ	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/29/21 13:22	CH	XEN MID

Client Sample ID: FS28

Lab Sample ID: 890-859-28

Date Collected: 06/18/21 14:51

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 16:52	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/25/21 01:41	AJ	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/29/21 13:28	CH	XEN MID

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: FS29

Lab Sample ID: 890-859-29

Date Collected: 06/18/21 15:05

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 18:33	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/25/21 02:02	AJ	XEN MID
Soluble	Leach	DI Leach			4583	06/24/21 12:07	CH	XEN MID
Soluble	Analysis	300.0		1	4658	06/29/21 13:33	CH	XEN MID

Client Sample ID: FS30

Lab Sample ID: 890-859-30

Date Collected: 06/18/21 15:07

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 18:58	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/25/21 02:23	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 15:09	CH	XEN MID

Client Sample ID: FS31

Lab Sample ID: 890-859-31

Date Collected: 06/18/21 15:09

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 19:23	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/25/21 03:04	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 09:32	CH	XEN MID

Client Sample ID: SW01

Lab Sample ID: 890-859-32

Date Collected: 06/22/21 09:02

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 19:48	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/25/21 03:25	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		5	4716	06/29/21 09:38	CH	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: SW02

Lab Sample ID: 890-859-33

Date Collected: 06/22/21 09:03

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 20:13	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/25/21 03:46	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 15:25	CH	XEN MID

Client Sample ID: SW03

Lab Sample ID: 890-859-34

Date Collected: 06/22/21 09:05

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 20:38	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/25/21 04:07	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 15:31	CH	XEN MID

Client Sample ID: SW04

Lab Sample ID: 890-859-35

Date Collected: 06/22/21 09:15

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 21:03	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/25/21 04:28	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 15:36	CH	XEN MID

Client Sample ID: SW05

Lab Sample ID: 890-859-36

Date Collected: 06/22/21 09:18

Matrix: Solid

Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 21:28	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/25/21 04:48	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 10:11	CH	XEN MID

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Client Sample ID: SW06 Lab Sample ID: 890-859-37
Date Collected: 06/22/21 09:20 Matrix: Solid
Date Received: 06/23/21 10:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4592	06/24/21 13:20	MR	XEN MID
Total/NA	Analysis	8021B		1	4608	06/25/21 21:53	MR	XEN MID
Total/NA	Prep	8015NM Prep			4599	06/24/21 14:55	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4568	06/25/21 05:09	AJ	XEN MID
Soluble	Leach	DI Leach			4584	06/24/21 12:13	CH	XEN MID
Soluble	Analysis	300.0		1	4716	06/29/21 15:42	CH	XEN MID

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

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: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

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

Protocol References:

ASTM = ASTM International

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

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: JRU DI1 Enris 114H

Job ID: 890-859-1
SDG: TE012921009

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-859-1	FS01	Solid	06/18/21 11:50	06/23/21 10:15	- 2
890-859-2	FS02	Solid	06/18/21 11:52	06/23/21 10:15	- 2
890-859-3	FS03	Solid	06/18/21 11:55	06/23/21 10:15	- 2
890-859-4	FS04	Solid	06/18/21 11:57	06/23/21 10:15	- 2
890-859-5	FS05	Solid	06/18/21 09:40	06/23/21 10:15	- 1.5
890-859-6	FS06	Solid	06/18/21 12:12	06/23/21 10:15	- 2
890-859-7	FS07	Solid	06/18/21 12:15	06/23/21 10:15	- 2
890-859-8	FS08	Solid	06/18/21 09:46	06/23/21 10:15	- 1.5
890-859-9	FS09	Solid	06/18/21 10:05	06/23/21 10:15	- 1.5
890-859-10	FS10	Solid	06/17/21 13:45	06/23/21 10:15	- 1.5
890-859-11	FS11	Solid	06/18/21 10:10	06/23/21 10:15	- 1.5
890-859-12	FS12	Solid	06/18/21 10:12	06/23/21 10:15	- 1.5
890-859-13	FS13	Solid	06/18/21 13:35	06/23/21 10:15	- 2
890-859-14	FS14	Solid	06/18/21 13:38	06/23/21 10:15	- 2
890-859-15	FS15	Solid	06/18/21 10:40	06/23/21 10:15	- 1.5
890-859-16	FS16	Solid	06/18/21 10:42	06/23/21 10:15	- 1.5
890-859-17	FS17	Solid	06/18/21 10:44	06/23/21 10:15	- 1.5
890-859-18	FS18	Solid	06/18/21 13:41	06/23/21 10:15	- 2
890-859-19	FS19	Solid	06/18/21 14:18	06/23/21 10:15	- 2
890-859-20	FS20	Solid	06/18/21 14:20	06/23/21 10:15	- 2
890-859-21	FS21	Solid	06/18/21 14:22	06/23/21 10:15	- 2
890-859-22	FS22	Solid	06/18/21 14:25	06/23/21 10:15	- 2
890-859-23	FS23	Solid	06/18/21 14:27	06/23/21 10:15	- 2
890-859-24	FS24	Solid	06/18/21 14:43	06/23/21 10:15	- 2
890-859-25	FS25	Solid	06/18/21 14:45	06/23/21 10:15	- 2
890-859-26	FS26	Solid	06/18/21 14:48	06/23/21 10:15	- 2
890-859-27	FS27	Solid	06/18/21 14:50	06/23/21 10:15	- 2
890-859-28	FS28	Solid	06/18/21 14:51	06/23/21 10:15	- 2
890-859-29	FS29	Solid	06/18/21 15:05	06/23/21 10:15	- 2
890-859-30	FS30	Solid	06/18/21 15:07	06/23/21 10:15	- 2
890-859-31	FS31	Solid	06/18/21 15:09	06/23/21 10:15	- 2
890-859-32	SW01	Solid	06/22/21 09:02	06/23/21 10:15	0 - 2
890-859-33	SW02	Solid	06/22/21 09:03	06/23/21 10:15	0 - 2
890-859-34	SW03	Solid	06/22/21 09:05	06/23/21 10:15	0 - 2
890-859-35	SW04	Solid	06/22/21 09:15	06/23/21 10:15	0 - 1.5
890-859-36	SW05	Solid	06/22/21 09:18	06/23/21 10:15	0 - 1.5
890-859-37	SW06	Solid	06/22/21 09:20	06/23/21 10:15	0 - 2

Eurofins Xenco, Carlsbad



Environment Testing

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

Chain of Custody

Work Order No: _____

www.xenco.com Page 1 of 4

Project Manager:	Kale Jennings	Bill to: (if different)	Kyle Little
Company Name:	WSP USA	Company Name:	XFO Energy
Address:	3300 North A Street	Address:	3104 E Greene St
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(817) 683-2503	Email:	Kale.jennings@wsp.com

Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADAPT ☐ Other: _____

Project Name:	JRU D11 Ennis 114H	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	TE012921009	Due Date:			
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Fathima Smith				
P.O. #:					
SAMPLE RECEIPT		Temp Blank:	☒ Yes ☐ No	Wet Ice:	☒ Yes ☐ No
Samples Received Intact:	☒ Yes ☐ No	Thermometer ID:	TMM-007		
Cooler Custody Seals:	☒ Yes ☐ No	Correction Factor:	-0.2		
Sample Custody Seals:	☒ Yes ☐ No	Temperature Reading:	5.8		
Total Containers:		Corrected Temperature:	5.6		



890-859 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Preservative Codes	Sample Comments
FS01	S	6/18/21	11:50	2'		1	TPH (EPA 8015)	None: NO	DI Water: H ₂ O
FS02			11:52	2'			BTEX (EPA 0 = 8021)	Cool: Cool	MeOH: Me
FS03			11:55	2'			Chloride (EPA 3000)	HCL: HCL	HNO ₃ : HN
FS04			11:54	2'				H ₂ SO ₄ : H ₂	NaOH: Na
FS05			09:40	1.5'				H ₃ PO ₄ : HP	
FS06			12:12	2'				NaHSO ₄ : NABIS	
FS07			12:15	2'				Na ₂ S ₂ O ₃ : NaSO ₃	
FS08			09:46	1.5'				Zn Acetate+NaOH: Zn	
FS09			10:05	1.5'				NaOH+Ascorbic Acid: SAMP	
FS10		6/17/21	13:45	1.5'					

Total 2007/6010 2008/6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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 return 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
Fathima	[Signature]	6/23/21 10:08	[Signature]	[Signature]	6/23/21 10:15

Incident: NAPP2036554434
AFE: DD.2014.02051.CAP.CMP.01
ADP: 20-018-113331


Environment Testing
Xenco

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
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 El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

www.xenco.com Page 2 of 4

Project Manager:	Kate Jennings	Bill to: (if different)	Kyle L. Laffell
Company Name:	WGP USA	Company Name:	XFO Energy
Address:	3300 North A Street	Address:	3104 E Greene St
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(817) 683-2503	Email:	Kate.jennings@wgp.com

Work Order Comments			
Program:	UST/PST ☐	PRP ☐	Brownfields ☐
State of Project:	Level II ☐	Level III ☐	PST/UST ☐
Reporting:	Level II ☐	Level III ☐	TRRP ☐
Deliverables:	EDD ☐	ADAPT ☐	Other: ☐

Project Name:	URU D11 Enas 14H	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	TE012921009	Due Date:			
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Fatima Smith				
PO #:					
SAMPLE RECEIPT					
Samples Received Intact:	Yes No	Thermometer ID:	Wet Ice:	Yes No	
Cooler Custody Seals:	Yes No N/A	Correction Factor:			
Sample Custody Seals:	Yes No N/A	Temperature Reading:			
Total Containers:		Corrected Temperature:			
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Cont
F011	S	6/18/21	1010	1.5'	1
F012			1012	1.5'	
F013			1335	2'	
F014			1338	2'	
F015			1040	1.5'	
F016			1042	1.5'	
F017			1044	1.5'	
F018			1341	2'	
F019			1418	2'	
F020			1420	2'	
Parameters					
TPH (EPA 8015)					
BTEX (EPA 0=8021)					
Chloride (EPA 3000)					
ANALYSIS REQUEST					
Preservative Codes					
None: NO DI Water: H ₂ O					
Cool: Cool MeOH: Me					
HCL: HC HNO: 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: SANC					
Sample Comments					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
 Circle Method(s) and Metal(s) to be analyzed TCEP / SLP 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 the client is required with payment to Xenco. Xenco is 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	gms lkm	4/30/21 1019	gms lkm	gms lkm	6-23-21 1015

Incident: NAPP2036554434
 AFE: DD: 2017.02051.CAP.CMP.D1
 API: 30-015-43231



Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-333-
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1266
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:

Page 3 of 4
www.xenco.com

Project Manager:	Kale, Jennings	Bill to: (if different)	Kyle Littell
Company Name:	WEP USA	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 E Greene St
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(817) 683-2503	Email:	Kale.jennings@usp.com

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

[illegible]

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	TPH	BTE	Chl	Sample Comments
ES21	S	6/18/21	1422	2'		1	X	X	X	
ES22			1425							
ES23			1427							
ES24			1443							
ES25			1445							
ES26			1448							
ES27			1450							
ES28			1461							
ES29			1505							
ES30			1507							

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
TCPL/SPLP 6010 : 8RCRA 5b As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U		Hg: 1631/245.1/7470/7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	6/13/10	<i>[Signature]</i>	<i>[Signature]</i>	6/23/21

incident: NAPP2036554434
AFE: DD-2019-02051-CAP.CMP.01
APL: 30-015-42281

Revised Date: 08/25/2020 Rev. 2020.2



Environment Testing

Xenco

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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Chain of Custody

Work Order No: _____

www.xenco.com Page 4 of 4

Project Manager:	Kalei Jennings	Bill to: (if different)	Kyle L. Hrell
Company Name:	WEP USA	Company Name:	X70 Energy
Address:	3300 North A Street	Address:	3104 E Grease St
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	(817) 683-2503	Email:	kalei.jennings@wep.com

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

Project Name:	JRU D11 Ena 114H	Turn Around	☒ Routine ☐ Rush	Pres. Code	ANALYSIS REQUEST	Preservative Codes
Project Number:	7TE012921009	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: SARC
Project Location:	Edley county	TAT starts the day received by the lab, if received by 4:30pm				DI Water: H ₂ O MeOH: Me HNO ₃ : HN NaOH: Na
Sampler's Name:	Fabiana Smith					
P.O. #:						
SAMPLE RECEIPT	Temp Blank: Yes No	Thermometer ID: Yes No	Wet Ice: Yes No			
Samples Received Intact:	Yes No	Correction Factor: Yes No				
Cooler Custody Seals:	Yes No	Temperature Reading: Yes No				
Sample Custody Seals:	Yes No	Corrected Temperature: Yes No				
Total Containers:						

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Cont	# of Cont	TPH (EPA 8015)	BTEX (EPA 0-8021)	Chloride (EPA 300.0)
FS31	S	6/18/21	1509	2'		1			
SW01		6/22/21	0902	0-2'					
SW02		6/22/21	0903	0-2'					
SW03		6/22/21	0905	0-2'					
SW04		6/22/21	0915	0-1.5'					
SW05		6/22/21	0918	0-1.5'					
SW06		6/22/21	0920	0-2'					

Total 2007 / 6010 2008 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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>[Signature]</i>	<i>[Signature]</i>	6/13/21 1011	<i>[Signature]</i>	<i>[Signature]</i>	6-23-21 1015

Incident: NAPP2036554434
AFE: DD.2014.02051.CAP.CMP.01
API: 30-015-43231



Environment Testing
Xenco

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 2 of 3

Project Manager:	Kale Jennings	Bill to: (if different)	Kyle L. Hrell
Company Name:	WSP USA	Company Name:	XTO Energy
Address:	3300 North Astor St	Address:	3104 E. Stone St
City/State ZIP:	Midland, TX 79705	City/State ZIP:	Carlsbad NM 88220
Phone:	(817) 683-2503	Email:	Kale.jennings@wsp.com

Work Order Comments			
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐		
State of Project:			
Reporting:	Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐		
Deliverables:	EDD ☐ ADAPT ☐ Other: _____		

Project Name:	JRU DIA Ennis	Turn Around	☒ Routine ☐ Rush	Pres. Code	
Project Number:	TE012921010	Due Date:			
Project Location:	Ftly county	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Fatima Smith				
P.O. #:					
SAMPLE RECEIPT		Temp Blank:	Yes ☐ No ☒	Wet Ice:	Yes ☐ No ☒
Samples Received Intact:	Yes ☐ No ☒	Thermometer ID:			
Cooler Custody Seals:	Yes ☐ No ☒	Correction Factor:			
Sample Custody Seals:	Yes ☐ No ☒	Temperature Reading:			
Total Containers:		Corrected Temperature:			

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	ANALYSIS REQUEST	Preservative Codes	Sample Comments
FS11	S	6/22/21	12:55	2'		1	TPH (EPA 8015)		None: NO	DI Water: H ₂ O
FS12			14:29	2.5'			BTEX (EPA 0 = 8021)		Cool: Cool	MeOH: Me
FS13			13:22	2'			Chloride (EPA 300.0)		HCL: HC	HNO ₃ : HN
FS14			13:25						H ₂ SO ₄ : H ₂	NaOH: Na
FS15			13:27						H ₃ PO ₄ : HP	
FS16			13:29						NaHSO ₄ : NABIS	
FS17			13:50						Na ₂ S ₂ O ₃ : NaSO ₃	
FS18			13:52						Zn Acetate+NaOH: Zn	
FS19			13:55						NaOH+Ascorbic Acid: SARC	
FS20			13:58							

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 the document and assignment 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>[Signature]</i>	<i>[Signature]</i>	6/23/21 10:13	<i>[Signature]</i>	<i>[Signature]</i>	6/23/21 10:15

Incident: NAPP2100832034
CC: 1632471001
API: 30-015-422721

Revised Date: 08/23/2020 Rev: 2020.2



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

Chain of Custody

Work Order No: _____

www.xenco.com Page 3 of 3

Project Manager:	Kalei Jennings	Bill to: (if different)	Kyle Littrell
Company Name:	WSP USA	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 E. Greene St
City, State ZIP:	Mt. Pleasant, TX 79705	City, State ZIP:	Carterswood, NM 88220
Phone:	(817) 688-2503	Email:	Kalei.jennings@wsp.com

Work Order Comments				
Program:	UST/PST ☐	PBP ☐	Brownfields ☐	RRC ☐ Superfund ☐
State of Project:				
Reporting:	Level II ☐	Level III ☐	PST/UST ☐	TRRP ☐ Level IV ☐
Deliverables:	EDD ☐	ADAPT ☐	Other: _____	

[illegible]

Total 200.7 / 6010	200.8 / 6020:	
Circle Method(s) and Metals) to be analyzed	8RCRA 13PPM	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 Zr
	TC1P / SPLP 6010 : 8RCRA 5b As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1.631 / 245.1 / 7470 / 7471

Electronic signature of this document and reimbursement of samples constitutes a valid purchase order from client company to Eurofins Xencro, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xencro 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 Xencro. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted and 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>	6/13/12 10:14	<i>[Signature]</i>	<i>[Signature]</i>	6/23/2015

Revised Date: 08/25/2020 Rev 2020.2

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-859-1

SDG Number: TE012921009

Login Number: 859

List Number: 1

Creator: Clifton, Cloe

List Source: Eurofins Xenco, 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: 890-859-1

SDG Number: TE012921009

Login Number: 859

List Number: 2

Creator: Copeland, Tatiana

List Source: Eurofins Xenco, Midland

List Creation: 06/24/21 12:07 PM

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 48089

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 48089
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	10/7/2021