

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 | NAPP2200356328 |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | |
|--|--------------------------------|
| Responsible Party XTO Energy | OGRID 5380 |
| Contact Name Shelby Pennington | Contact Telephone 281-723-9353 |
| Contact email shelby.g.pennington@exxonmobil.com | Incident # (assigned by OCD) |
| Contact mailing address 6401 Holiday Hill Rd Bldg 5, Midland, Texas, 79707 | |

Location of Release Source

Latitude 32.37988 Longitude -103.88687
(NAD 83 in decimal degrees to 5 decimal places)

| | |
|------------------------------------|------------------------|
| Site Name JRU DI 1 Battery | Site Type Tank Battery |
| Date Release Discovered 12/20/2021 | API# (if applicable) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| F | 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)

| | | |
|--|--|--|
| <input type="checkbox"/> Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 5.08 | Volume Recovered (bbls) 5 |
| | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

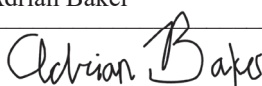
Cause of Release A pin hole leak on a flowline connection developed due to corrosion. A vacuum truck was dispatched to recover standing fluids. A third party contractor will be retained for remediation activities.

| | |
|----------------|----------------|
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| | |
|--|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? N/A |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? N/A | |

Initial Response

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

| | |
|--|-------------------------|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> been undertaken, explain why: 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: Adrian Baker | Title: SSHE Coordinator |
| Signature:  | Date: 1/3/21 |
| email: adrian.baker@exxonmobil.com | Telephone: 575-200-0729 |
| <u>OCD Only</u> | |
| Received by: Ramona Marcus | Date: 1/3/2022 |

| | | | |
|--|-------------------|---------|--|
| Location: | JRU DI 1 | | |
| Spill Date: | 12/20/2021 | | |
| Area 1 | | | |
| Approximate Area = | 360.00 | sq. ft. | |
| Average Saturation (or depth) of spill = | 0.50 | inches | |
| | | | |
| Average Porosity Factor = | 0.03 | | |
| | | | |
| VOLUME OF LEAK | | | |
| Total Condensate = | 0.00 | bbls | |
| Total Produced Water = | 0.08 | bbls | |
| TOTAL VOLUME OF LEAK | | | |
| Total Condensate= | 0.00 | bbls | |
| Total Produced Water = | 5.08 | bbls | |
| TOTAL VOLUME RECOVERED | | | |
| Total Condensate= | 0.00 | bbls | |
| Total Produced Water = | 5.00 | bbls | |

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 70018

CONDITIONS

| | |
|---|---|
| Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707 | OGRID: 5380 |
| | Action Number: 70018 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|-----------|----------------|
| rmarcus | None | 1/3/2022 |

| | |
|----------------|----------------|
| Incident ID | NAPP2200356328 |
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| Facility ID | |
| Application ID | |

Site Assessment/Characterization

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

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

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

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

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

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

| | |
|----------------|----------------|
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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: Environmental Coordinator

Signature: Adrian Baker Date: 03/18/2022

email: adrian.baker@exxonmobil.com Telephone: (432) 236-3808

OCD Only

Received by: _____ Date: _____

| | |
|----------------|----------------|
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| Application ID | |

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☒ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☒ Extents of contamination must be fully delineated.
- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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: Environmental Coordinator
Signature: Adrian Baker Date: 03/18/2022
email: adrian.baker@exxonmobil.com Telephone: (432) 236-3808

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☒ Deferral Approved

Signature: Jennifer Nobui Date: 03/22/2022



WSP USA

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

March 18, 2022

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

**RE: Deferral Request
 JRU DI 1 Battery
 Incident Number NAPP2200356328
 Eddy County, New Mexico**

To Whom it May Concern:

WSP USA Inc. (WSP) on behalf of XTO Energy, Inc. (XTO), presents the following Deferral Request detailing site assessment, soil sampling, and excavation activities at the JRU DI 1 Battery (Site) in Unit F, 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 field observations, field screening activities, and soil sampling laboratory analytical results, XTO is submitting this Deferral Request, describing remediation that has occurred and requesting deferral of final remediation for Incident Number NAPP2200356328 until the Site is reconstructed, and/or the well pad is abandoned.

RELEASE BACKGROUND

On December 20, 2021, a flow line connection developed a pin hole leak due to corrosion. Approximately 5.08 barrels (bbls) of produced water were released onto the surface of the well pad within and around active production equipment. A vacuum truck was immediately dispatched to the Site to recover free-standing fluids; approximately 5 bbls of produced water were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Form C-141 on January 3, 2022. The release was assigned Incident Number NAPP2200356328.

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 0.97 miles 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 1,318 feet bgs. Ground surface elevation at the groundwater well location is 3,285 feet above mean sea level (amsl), which is approximately 118 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 a dry riverine, located approximately 886 feet southwest 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 AND ANALYTICAL RESULTS

On February 15, 2022, 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 two preliminary assessment soil samples (SS01 through SS02) within the release extent from a depth of approximately 0.5 feet bgs to assess 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. Photographic documentation was completed, and a photographic log is included in Attachment 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-gasoline range



organics (GRO), TPH-diesel range organics (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 samples SS01 through SS02 indicated that TPH and/or chloride concentrations exceeded the Closure Criteria. Based on visible staining in the release extent, elevated field screening results, and laboratory analytical results for the preliminary soil samples, excavation and delineation activities were warranted.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

Between February 24, 2022 and February 28, 2022, WSP personnel were at the Site to oversee delineation and excavation activities. Boreholes BH01 through BH08 were advanced via hand auger to a maximum depth of 8 feet bgs within and around the release extent, to assess the lateral and vertical extent of the impacted soil. Delineation soil samples were collected from each borehole from depths ranging from 1-foot bgs to 8 feet bgs. Soil from the boreholes was field screened for volatile aromatic hydrocarbons and chloride using a PID and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Attachment 3. The boreholes and delineation soil sample locations are depicted on Figure 2.

Following delineation activities, impacted soil was excavated from accessible areas of release extent, as indicated by visible staining, field screening activities, and laboratory analytical results for the preliminary soil samples. Excavation activities were performed using a backhoe, transport vehicle, and hydrovac. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. Excavation could not be completed in the release areas immediately adjacent to or beneath active production equipment where remediation would require major facility deconstruction and where XTO safety policy restricts soil disturbing activities to a 2-foot radius of active production equipment.

Following excavation of impacted soil to the extent possible, WSP collected 5-point composite soil samples representing at least 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. Floor soil samples FS01 through FS04 were collected from the floor of the excavations from a depth of 1.5 feet bgs. Due to the shallow depth of the excavations, the floor samples were also representative of the sidewalls. Further excavation of impacted soil beyond the excavation extents was limited by the presence the active production equipment. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above at Eurofins in Midland, Texas.



The western excavation extent measured approximately 550 square feet and the eastern excavation extent measured approximately 50 square feet. A total of approximately 35 cubic yards of impacted soil was removed from the release extent during the excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility in Carlsbad, New Mexico. After completion of confirmation sampling, the excavation areas were secured with fencing.

SOIL ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples collected from boreholes BH01 through BH03, advanced within the release extent, indicated that chloride concentrations exceeded the Closure Criteria at depths ranging from 1-foot to 4 feet bgs. The terminal depth sample from boreholes BH01 through BH03 was compliant with the Closure Criteria and provided vertical delineation of impacted soil within the release extent.

Laboratory analytical results for delineation soil samples collected from boreholes BH04 through BH08, advanced around the release extent, indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria, and provided lateral delineation of the release and impacted soil left in place near active production equipment.

Laboratory analytical results for excavation floor samples FS01, FS02, and FS03 indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria, and no further excavation was required in this area. Laboratory analytical results for excavation floor sample FS04 indicated that chloride concentrations exceeded the Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Attachment 4.

DEFERRAL REQUEST

A total of approximately 35 cubic yards of impacted soil were excavated from the Site; however, residual impacted soil was left in place immediately adjacent to active production equipment for compliance with XTO safety policy, which restricts earth moving activities within 2 feet of active production equipment. This XTO safety policy is established to protect workers and reduce the likelihood of compromising the foundation of the production equipment. Impacted soil was left in place immediately adjacent to or beneath active production equipment where remediation would require a major facility deconstruction, and in the area around floor sample FS04 and borehole BH03 for compliance with XTO safety policy.

The impacted soil left in place is delineated vertically by delineation soil sample BH03E collected at 8 feet bgs and laterally by delineation soil samples from boreholes BH04 through BH08 collected at depths ranging from 1 foot bgs to 4 feet bgs. An estimated 45 cubic yards of impacted soil remains in place, based on the release extent and delineation soil samples listed above, that

District II
Page 5

were compliant with the Closure Criteria. Floor sample FS04, borehole BH03, the deferral area, and all lateral delineation soil sample locations are depicted on Figure 4.

XTO requests to complete final remediation during any future major construction/alteration or final plugging and abandonment, whichever occurs first. WSP and XTO do not believe deferment will result in imminent risk to human health, the environment, or groundwater. The majority of the released fluids were recovered during initial response activities and the impacted soil remaining in place is limited to the area immediately adjacent or beneath active production equipment. XTO requests deferral of final remediation for Incident Number NAPP2200356328.

If you have any questions or comments, please do not hesitate to contact Mrs. Aimee Cole at (720) 384-7365.

Sincerely,

WSP USA Inc.

A handwritten signature in black ink that reads 'Korey Kennedy'.

Korey Kennedy
Consultant, Environmental Scientist

A handwritten signature in black ink that reads 'Aimee Cole'.

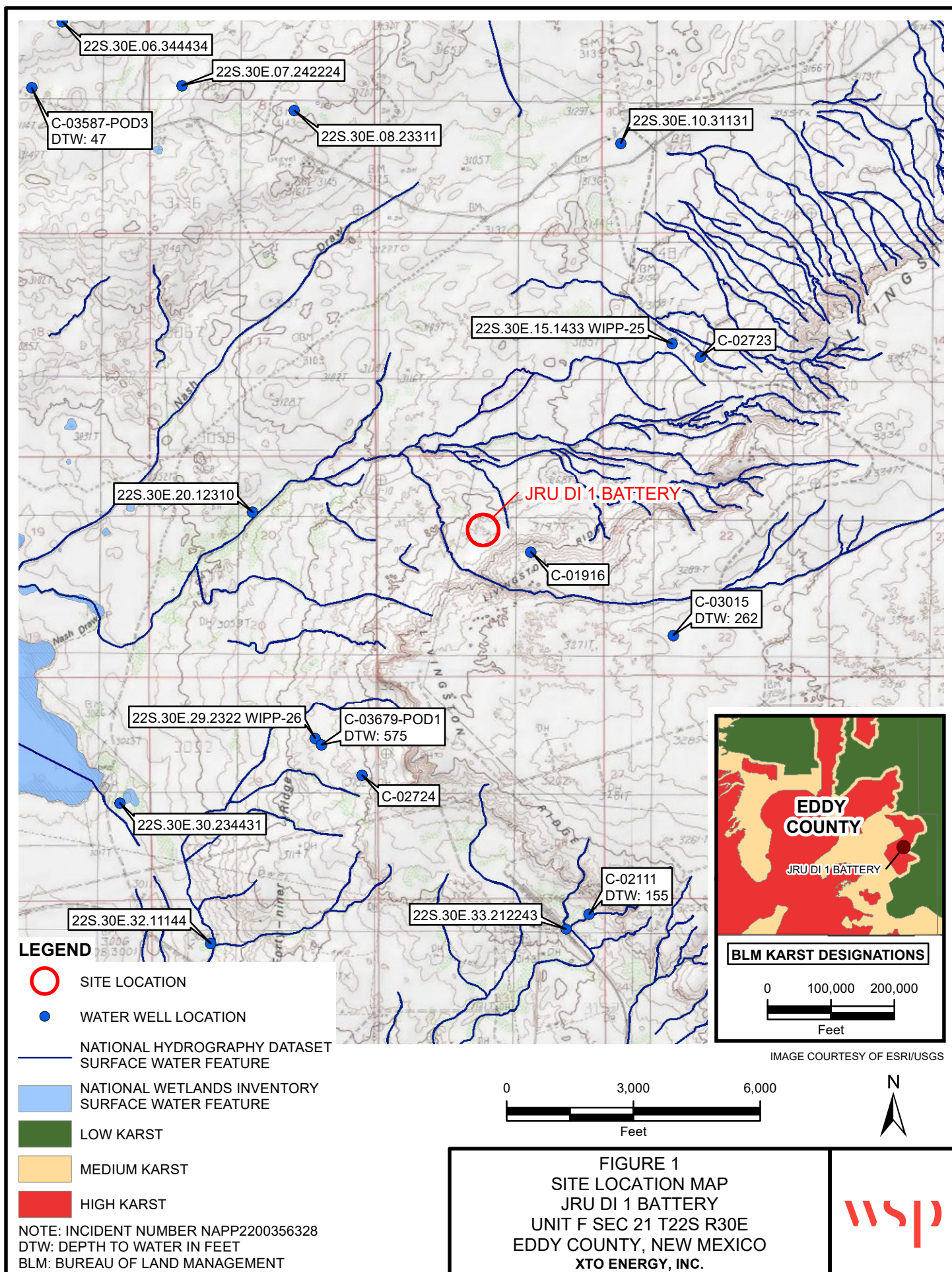
Aimee Cole
Sr. Consultant, Environmental Scientist

cc: Shelby Pennington, XTO
Adrian Baker, XTO
Bureau of Land Management

Attachments:

| | |
|--------------|----------------------------------|
| Figure 1 | Site Location Map |
| Figure 2 | Soil Sample Locations |
| Figure 3 | Excavation Soil Sample Locations |
| Figure 4 | Deferral Area |
| Table 1 | Soil Analytical Results |
| Attachment 1 | Referenced Well Records |
| Attachment 2 | Photographic Log |
| Attachment 3 | Lithologic/Sampling Logs |
| Attachment 4 | Laboratory Analytical Reports |

FIGURES



**LEGEND**

IMAGE COURTESY OF ESRI



RELEASE LOCATION

SOIL SAMPLE WITH CONCENTRATIONS PREVIOUSLY
EXCEEDING APPLICABLE CLOSURE CRITERIASOIL SAMPLE IN COMPLIANCE WITH
APPLICABLE CLOSURE CRITERIA

RELEASE EXTENT

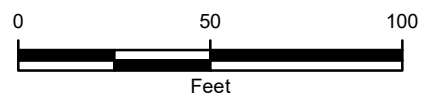
NOTE: INCIDENT NUMBER NAPP2200356328
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)





FIGURE 2
SOIL SAMPLE LOCATIONS
JRU DI 1 BATTERY
UNIT F SEC 21 T22S R30E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.





IMAGE COURTESY OF ESRI

LEGEND

-  RELEASE LOCATION
-  FLOOR SAMPLE WITH CONCENTRATIONS EXCEEDING APPLICABLE CLOSURE CRITERIA
-  FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
-  EXCAVATION EXTENT

NOTE: INCIDENT NUMBER NAPP2200356328
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

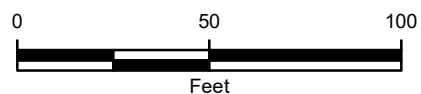


FIGURE 3
EXCAVATION SOIL SAMPLE LOCATIONS
JRU DI 1 BATTERY
UNIT F SEC 21 T22S R30E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.



**LEGEND**

- FLOOR SAMPLE WITH CONCENTRATIONS EXCEEDING APPLICABLE CLOSURE CRITERIA
- SOIL SAMPLE WITH CONCENTRATIONS PREVIOUSLY EXCEEDING APPLICABLE CLOSURE CRITERIA
- SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA

■ EXCAVATION EXTENT

■ DEFERRAL AREA

NOTE: INCIDENT NUMBER NAPP2200356328
 SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

IMAGE COURTESY OF ESRI

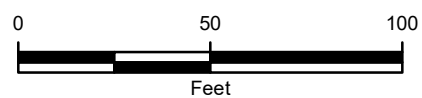


FIGURE 4
 DEFERRAL AREA
 JRU DI 1 BATTERY
 UNIT F SEC 21 T22S R30E
 EDDY COUNTY, NEW MEXICO
 XTO ENERGY, INC.

wsp

TABLES

Table 1

Soil Analytical Results
JRU DI 1 Battery
Incident Number NAPP2200356328
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 |
| Preliminary Assessment Samples | | | | | | | | | | |
| SS01 | 02/15/2022 | 0.5 | <0.00200 | 0.0435 | 750 | <49.9 | <49.9 | 750 | 750 | 13,800 |
| SS02 | 02/15/2022 | 0.5 | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 14,700 |
| Delineation Samples | | | | | | | | | | |
| BH01 | 02/24/2022 | 1' | <0.00199 | <0.00398 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 3,110 |
| BH01C | 02/24/2022 | 4' | <0.00200 | <0.00401 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 195 |
| BH02 | 02/24/2022 | 1' | <0.00202 | <0.00403 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 2,150 |
| BH02C | 02/24/2022 | 4' | <0.00199 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 31.0 |
| BH03A | 02/24/2022 | 2' | <0.00199 | <0.00398 | <50.0 | 62.2 | <50.0 | 62.2 | 62.2 | 11,400 |
| BH03C | 02/24/2022 | 4' | <0.00199 | <0.00398 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 1,950 |
| BH03E | 02/24/2022 | 8' | <0.00200 | <0.00399 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 450 |
| BH04 | 02/25/2022 | 1' | <0.00198 | <0.00397 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 264 |
| BH04C | 02/25/2022 | 4' | <0.00200 | <0.00400 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 136 |
| BH05 | 02/25/2022 | 1' | <0.00202 | <0.00404 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 141 |
| BH05C | 02/25/2022 | 4' | <0.00198 | <0.00397 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 232 |
| BH06 | 02/25/2022 | 1' | <0.00201 | <0.00402 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 246 |
| BH06C | 02/25/2022 | 4' | <0.00202 | <0.00404 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 110 |
| BH07 | 02/28/2022 | 1' | <0.00200 | <0.00399 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 276 |
| BH07C | 02/28/2022 | 4' | <0.00201 | <0.00402 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 98.3 |
| BH08 | 02/28/2022 | 2' | <0.00199 | <0.00398 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 197 |
| BH08C | 02/28/2022 | 4' | <0.00200 | <0.00400 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 281 |

Table 1

Soil Analytical Results
JRU DI 1 Battery
Incident Number NAPP2200356328
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 |
| Excavation Floor Samples | | | | | | | | | | |
| FS01 | 02/28/2022 | 1.5 | <0.00200 | <0.00401 | <49.8 | <49.8 | <49.8 | <49.8 | <49.8 | 529 |
| FS02 | 02/28/2022 | 1.5 | <0.00202 | <0.00403 | <49.9 | <49.9 | <49.9 | <49.9 | <49.9 | 268 |
| FS03 | 02/28/2022 | 1.5 | <0.00200 | <0.00401 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 147 |
| FS04 | 02/28/2022 | 1.5 | <0.00202 | <0.00404 | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 3,180 |

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

Greyed data represents samples that were excavated

ATTACHMENT 1: REFERENCED WELL RECORDS



New Mexico Office of the State Engineer


Water Right Summary

WR File Number: C 03015 **Subbasin:** CUB **Cross Reference:** -
Primary Purpose: MON MONITORING WELL
Primary Status: PMT PERMIT
Total Acres: **Subfile:** - **Header:** -
Total Diversion: 0 **Cause/Case:** -
Owner: U.S. DEPT OF ENERGY - WIPP
Contact: HAROLD JOHNSON

Documents on File

| Trn # | Doc | File/Act | Status | | Transaction Desc. | From/ To | Acres | Diversion | Consumptive |
|------------------------|------|----------------------------|--------|-----|-------------------------|-------------|-------|-----------|-------------|
| | | | 1 | 2 | | | | | |
| 288525 | EXPL | 2003-11-25 | PMT | LOG | C 03015 MONITORING WELL | T | 0 | 0 | |

Current Points of Diversion

| POD Number | Well Tag | Source | Q (NAD83 UTM in meters) | | | | | X | Y | Other Location Desc |
|-------------------------|----------|----------|-------------------------|-----|----|-----|-----|-----|--------|--|
| | | | 64 | Q16 | Q4 | Sec | Tw | Rng | | |
| C 03015 | | Artesian | 1 | 4 | 3 | 22 | 22S | 30E | 606099 | 3582353*  |

An () after northing value indicates UTM location was derived from PLSS - see Help

Source

| Acres | Diversion | CU | Use | Priority | Source Description |
|-------|-----------|----|-----|----------|--------------------|
| 0 | 0 | | MON | | GW |

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.

2/3/22 7:56 AM

WATER RIGHT SUMMARY



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**

C 03015

Q64 Q16 Q4 Sec TwS Rng

1 4 3 22 22S 30E

X**Y**606099 3582353* 

x

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 Rcv Date:****Source:** Artesian**Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:** 6.00**Depth Well:** 1316 feet**Depth Water:** 262 feet

x

Water Bearing Stratifications:**Top Bottom Description**

362 385 Other/Unknown

x

Casing Perforations:**Top Bottom**

261 386

x

*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.

2/3/22 7:57 AM

POINT OF DIVERSION SUMMARY



[USGS Home](#)
[Contact USGS](#)
[Search USGS](#)

National Water Information System: Web Interface

USGS Water Resources (Cooperator Access)

Data Category:


Site Information ▼

Geographic Area:

United States ▼

GO

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

USGS 32252103541401 22S.30E.20.12310

Available data for this site

SUMMARY OF ALL AVAILABLE DATA ▼

GO

Well Site

DESCRIPTION:

Latitude 32°22'52", Longitude 103°54'14" NAD27
Eddy County, New Mexico , Hydrologic Unit 13060011
Well depth: 129 feet
Land surface altitude: 3,065 feet above NAVD88.
Well completed in "Other aquifers" (N9999OTHER) national aquifer.
Well completed in "Rustler Formation" (312RSLR) local aquifer

AVAILABLE DATA:

| Data Type | Begin Date | End Date | Count |
|--|-------------------------------------|------------|-------|
| Field groundwater-level measurements | 1952-02-26 | 1959-02-19 | 2 |
| Revisions | Unavailable (site:0) (timeseries:0) | | |

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center

Email questions about this site to [New Mexico Water Science Center Water-Data Inquiries](#)

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Title: NWIS Site Information for USA: Site Inventory

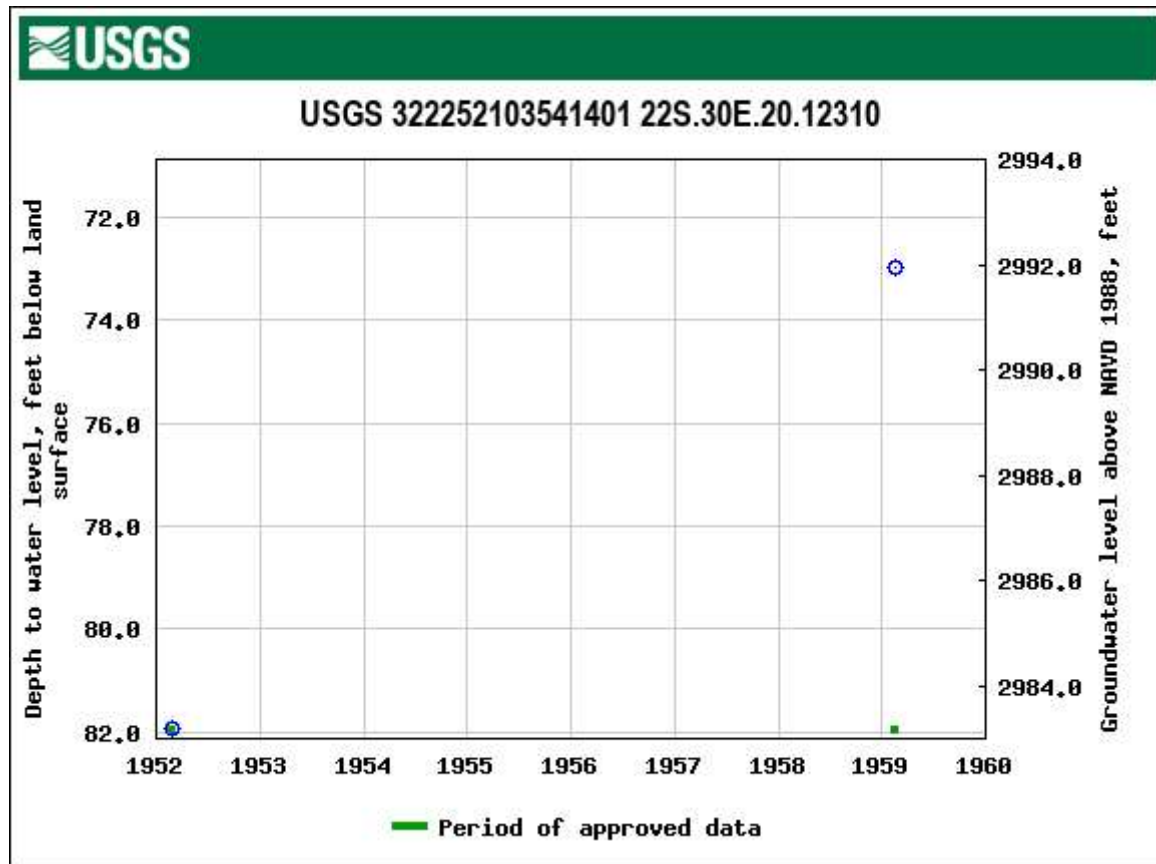
URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=322252103541401



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

Page Last Modified: 2022-02-03 09:48:59 EST

0.26 0.25 sdww02

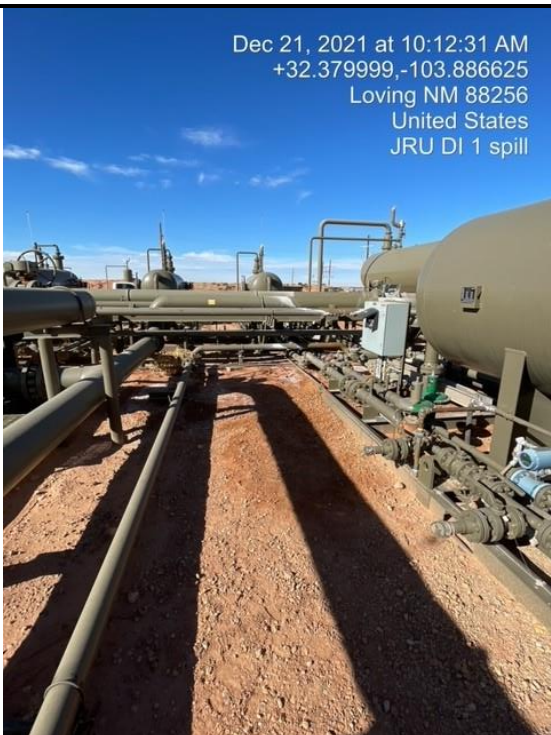


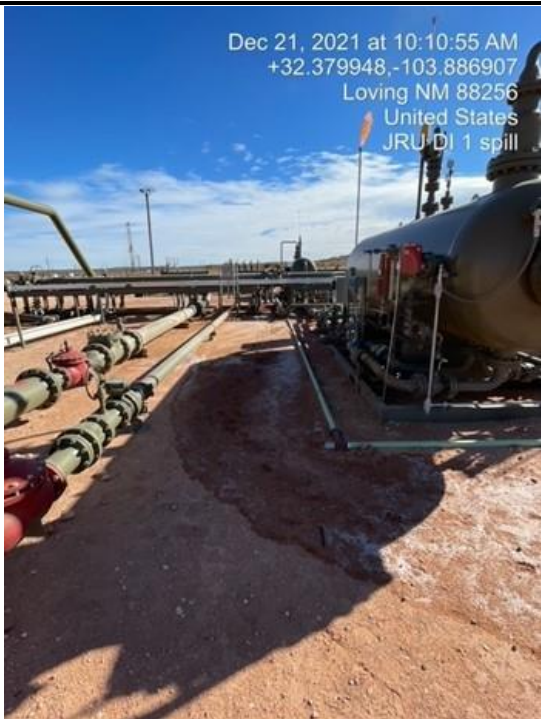
ATTACHMENT 2: PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG

| | | |
|-----------------|-------------------------------------|----------------|
| XTO Energy, Inc | JRU DI 1 Battery Eddy County, NM | NAPP2200356328 |
|-----------------|-------------------------------------|----------------|


| Photo No. | Date | |
|-------------------------------|----------------------|--|
| 1 | December 21, 2021 | |
| Western view of release area. | |  <p>Dec 21, 2021 at 10:12:31 AM +32.379999,-103.886625 Loving NM 88256 United States JRU DI 1 spill</p> |


| Photo No. | Date | |
|-------------------------------|----------------------|---|
| 2 | December 21, 2021 | |
| Eastern view of release area. | |  <p>Dec 21, 2021 at 10:10:55 AM +32.379948,-103.886907 Loving NM 88256 United States JRU DI 1 spill</p> |




PHOTOGRAPHIC LOG


| | | |
|-----------------|-------------------------------------|----------------|
| XTO Energy, Inc | JRU DI 1 Battery Eddy County, NM | NAPP2200356328 |
|-----------------|-------------------------------------|----------------|


| Photo No. | Date | |
|--------------------------|-------------------|--|
| 3 | February 24, 2022 | |
| Western excavation area. | |  A photograph showing a large industrial facility with several large horizontal storage tanks and vertical structures. In the foreground, there is a deep, wide excavation pit filled with reddish-brown soil. A small orange traffic cone is visible near the edge of the pit. The sky is blue with some clouds. |


| Photo No. | Date | |
|--------------------------|-------------------|--|
| 4 | February 25, 2022 | |
| Eastern excavation area. | |  A close-up photograph of an excavation site. A large, dark, flexible hose or pipe is being lowered into a deep pit. The pit is lined with reddish-brown soil. In the background, a large industrial storage tank and various pipes and valves are visible. The sky is overcast. |


ATTACHMENT 3: LITHOLOGIC/SAMPLING LOGS


|  <p>WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220</p> | | BH or MW Name: BH 01 | | Date: 2/24/22 | | | | | |
|---|----------------|---------------------------------------|----------|--------------------|-----------------------|----------------|------------------|--|----------------------------|
| | | Site Name: TRU DI 1 | | | | | | | |
| | | RP or Incident Number: NAPP2200356328 | | | | | | | |
| | | WSP Job Number: | | | | | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | | | | | |
| Lat/Long: 32.37985, -103.88687 | | Field Screening: TPH, Chlorides | | Logged By: NK | | | | | |
| | | | | Method: Hand Auger | | | | | |
| | | | | Hole Diameter: | | | | | |
| | | | | Total Depth: 4' | | | | | |
| | | | | Depth to Water: — | | | | | |
| Backfill or Well Construction Materials / Comments: | | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithology/Remarks | Backfill / Well Completion |
| D | 7.4 (2968) | 0.0 | N | BH01 | 1 | 1 | CCHE SP | CALICHE, tan-light brown, fine to medium grained, silt, no stain no odor, non consolidated. | |
| | 3.2 (621.6) | 0.0 | | BH01A | 2 | 2 | | SAND reddish brown, fine grain, silt, no stain, no odor | |
| | 1.2 (162.4) | 0.3 | | BH01B | 3 | 3 | | SAA + abundant gypsum | |
| H | 1.2 (162.4) | 0.1 | | BH01C | 4 | 4 | TDE4' | SAA | |


|  WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220 | | | | BH or MW Name: <u>BH 02</u> Date: <u>2/24/22</u> | | | | | |
|---|----------------|--|----------|--|-----------------------|----------------|------------------|--|----------------------------|
| LITHOLOGIC / SOIL SAMPLING LOG | | | | Site Name: <u>JRU DZ 1</u> RP or Incident Number: <u>NAPP 2200 356 328</u> WSP Job Number: | | | | | |
| Lat/Long: <u>32.37988, -103.68687</u> | | Field Screening: <u>TPH, Chlorides</u> | | Logged By: <u>NK</u> Hole Diameter: | | | | | |
| Backfill or Well Construction Materials / Comments: | | | | Method: <u>Hand Auger</u> Total Depth: <u>4'</u> Depth to Water: | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithology/Remarks | Backfill / Well Completion |
| D 6.2 (2016) | 0 | N | BH02 | 1 | 1 | 1 | CCHE SP | CALICHE, tan-light brown, fine to medium grain, silt, not consolidated, no stain, no odor. | |
| 2.4 (380.8) | 0.0 | | BH02A | 2 | 2 | 2 | | SAND, brown, fine grain, poorly sorted, no stain, no odor | |
| 1.2 (<162.4) | 0.0 | | BH02B | 3 | 3 | 3 | | SAA + trace gypsum | |
| 0.4 (<162.4) | 0.0 | | BH02C | 4 | 4 | 4 | | SAA + abundant gypsum | |


|  <p>WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220</p> | | BH or MW Name: | | Date: | | | | | |
|---|-----------------------------|--|----------|---------------------|-----------------------|----------------|------------------|--|----------------------------|
| | | BH03 | | 2/24/22 | | | | | |
| | | Site Name: JRU DI 1 | | | | | | | |
| | | RP or Incident Number: NAPP 2200356328 | | | | | | | |
| WSP Job Number: | | | | | | | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | | | | | |
| Lat/Long: | | Field Screening: | | Logged By: NK | | | | | |
| | | TPH, Chlorides | | Method: Hand Auger | | | | | |
| | | | | Hole Diameter: | | | | | |
| | | | | Total Depth: 14' 8" | | | | | |
| | | | | Depth to Water: - | | | | | |
| Backfill or Well Construction Materials / Comments: | | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithology/Remarks | Backfill / Well Completion |
| | (M.R.) 6.6 (10,684.8) | 0.2 | N | BH3 | 1 | 1 | SP | SAND, trace caliche, trace silt, brown, fine to medium grained unconsolidated, no stain, no odor | |
| | (M.R.) 7.4 (12,460) | 0.2 | | BH3A | 2 | 2 | | SAA + abundant silt. | |
| | (M.R.) 5.8 (790.6) | φ | | BH3B | 3 | 3 | | SAA | |
| | (M.R.) 5.6 (1657.6) | φ | | BH3C | 4 | 4 | | SAA + trace gypsum | |
| | (M.R.) 3.6 (761.6) | φ | N | BH3D | 6 | 6 | | SAA + no calcite or gypsum | |
| | (M.R.) 2.8 (492.8) | φ | N | BH3E | 8 | 8 | | SAA | |

| | | | | | | | | | |
|---|----------------|---------------------------------------|----------|----------------|-----------------------|----------------|------------------|---|----------------------------|
|  <p>WSP USA 508 West Slevens Street Carlsbad, New Mexico 88220</p> | | BH or MW Name: | | Date: | | | | | |
| | | BH 04 | | 02/25/22 | | | | | |
| | | Site Name: JRU DI 1 | | | | | | | |
| | | RP or Incident Number: NAPP2200356328 | | | | | | | |
| WSP Job Number: | | | | | | | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | | | | | |
| Lat/Long: | | Field Screening: | | Logged By: NK | | | | | |
| 32.37988, -103.88687 | | TPH, Chlorides | | Hole Diameter: | | | | | |
| Method: Hand Auger | | | | | | | | | |
| Total Depth: 4' | | | | | | | | | |
| Depth to Water: — | | | | | | | | | |
| Backfill or Well Construction Materials / Comments: | | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithology/Remarks | Backfill / Well Completion |
| 1.8 | 235.2 | φ | N | BH 4 | 1 | 1 | CCHE | CALICHE, trace silt, light brown tan, fine grained, unconsolidated, moderately sorted, no stain, no odor. | |
| 1.8 | 235.2 | φ | N | BH 4A | 2 | 2 | SP | SAND, trace silt, brown, fine grained, no stain, no odor, unconsolidated, poorly sorted | |
| 1.6 | 196 | φ | N | BH 4B | 3 | 3 | | | |
| 1.0 | 162.4 | φ | N | BH 4C | 4 | 4 | | SAA for 3' | |
| | | | | | | | | SAA for 4' | |

|  <p>WSP USA 500 West Stevens Street Carlsbad, New Mexico 88220</p> | | BH or MW Name: BH05 | | Date: 2/25/22 | | | | | |
|---|----------------|---------------------------------------|----------|---|-----------------------|---------------------------|------------------|--|----------------------------|
| | | Site Name: JRU D1 1 | | RP or Incident Number: NAPP 2200356328 | | | | | |
| | | WSP Job Number: | | | | | | | |
| | | Lithologic / Soil Sampling Log | | Logged By: NK | | Method: Hard Auger | | | |
| Lat/Long: 32.37988, -103.88687 | | Field Screening: TPH, Chloride | | Hole Diameter: | | | | | |
| | | | | Total Depth: 4' | | | | | |
| | | | | Depth to Water: — | | | | | |
| Backfill or Well Construction Materials / Comments: | | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithology/Remarks | Backfill / Well Completion |
| | | | | | | | | | |
| 2:22 | 1.4 (162) | φ | N | BH5 | 1 | | LCHE SP | CALICHE, tan-light brown, fine to med grain, silt, unconsolidated, no odor, no stain, poorly sorted. | |
| 2:32 | 1.4 (162.4) | φ | N | BH5A | 2 | | | SAND, brown, fine grained, abundant silt, no stain, no odor, abundant gypsum | |
| 2:38 | 1.8 (235.2) | φ | N | BH5B | 3 | | | SAA + trace gypsum | |
| 2:40 | 1.8 (235.2) | φ | N | BH5C | 4 | | | SAA | |

|  <p>WSP USA 500 West Stevens Street Carlsbad, New Mexico 88220</p> | | BH or MW Name: | | Date: | | | | | |
|---|----------------|---------------------------------------|----------|--------------------|-----------------------|----------------|------------------|---|----------------------------|
| | | BH06 | | 2/25/22 | | | | | |
| | | Site Name: JRU DE 1 | | | | | | | |
| | | RP or Incident Number: NAPP2200356328 | | | | | | | |
| WSP Job Number: | | | | | | | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | | | | | |
| Lat/Long: | | Field Screening: | | Logged By: NK | | | | | |
| | | TPH, Chlorides | | Method: Hard Auger | | | | | |
| | | | | Hole Diameter: | | | | | |
| | | | | Total Depth: 4' | | | | | |
| | | | | Depth to Water: - | | | | | |
| Backfill or Well Construction Materials / Comments: | | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithology/Remarks | Backfill / Well Completion |
| | 1.6 (246.4) | Ø | N | BH6 | 1 | 1 | CCHE SP | CALICHE, tan-light brown, fine grained, poorly sorted, unconsolidated, no stain, no odor, trace silt. | |
| 3:00 | | | | | | | | | |
| 3:08 | 1.8 (285.6) | Ø | | BH6A | 2 | 2 | | SAND, fine grained, red with brown-brown, well sorted to moderately unconsolidated, no stain, no odor | |
| 3:11 | 1.0 (162.4) | Ø | N | BH6B | 3 | 3 | | | |
| 3:15 | 1.0 (162.4) | Ø | N | BH6C | 4 | 4 | | SAA + clayey, med. plasticity | |

|  WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220 | | | | | BH or PH Name: | | | |
|---|----------------|-------------|------------------|----------|---|----------------|--------------------|---|
| | | | | | BH07 | | | |
| | | | | | Site Name: James Ranch Unit DI 1 | | | |
| | | | | | RP or Incident Number: NAPP2200356328 | | | |
| WSP Job Number: 31403236.020.0129 | | | | | | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | Logged By: AC | | Method: HAND AUGER | |
| Lat/Long: | | | Field Screening: | | Hole Diame 0.5' | | Total Depth: 4' | |
| Comments: all chloride tests contain 40% correction factor M-moist; D-dry; Y-yes; N-no | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithology/Remarks |
| | | | | | 0 | 0 | | |
| D | 252 | 0.3 | N | BH07 | 1 | 1 | CCHE | CALICHE, tan-light brown. No stain or odor |
| D | 442.4 | 0.3 | N | BH07A | 2 | 2 | SP | SAND, reddish/brown, medium-coarse grained, poorly graded, no stain or odor |
| D | 179.2 | 0.2 | N | BH07B | 3 | 3 | | abundant crystalline gypsur @ 3.5' |
| D | 212.8 | 0.2 | N | BH07C | 4 | 4 | | TD @ 4' bgs |

|  WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220 | | | | | BH or PH Name: | | | |
|---|----------------|-------------|------------------|----------|---|----------------|--------------------|---|
| | | | | | BH08 | | | |
| | | | | | Site Name: James Ranch Unit DI 1 | | | |
| | | | | | RP or Incident Number: NAPP2200356328 | | | |
| WSP Job Number: 31403236.020.0129 | | | | | | | | |
| LITHOLOGIC / SOIL SAMPLING LOG | | | | | Logged By: AC | | Method: HAND AUGER | |
| Lat/Long: | | | Field Screening: | | Hole Diame 0.5' | | Total Depth: 4' | |
| Comments: all chloride tests contain 40% correction factor M-moist; D-dry; Y-yes; N-no | | | | | | | | |
| Moisture Content | Chloride (ppm) | Vapor (ppm) | Staining | Sample # | Sample Depth (ft bgs) | Depth (ft bgs) | USCS/Rock Symbol | Lithology/Remarks |
| | | | | | 0 | 0 | | |
| D | 896 | 0.3 | N | BH08 | 1 | 1 | CCHE | CALICHE, tan-light brown. No stain or odor |
| D | 252 | 0.4 | N | BH08A | 2 | 2 | SP | SAND, reddish/brown, medium-coarse grained, poorly graded, no stain or odor |
| D | 179.2 | 0.2 | N | BH08B | 3 | 3 | | abundant crystalline gypsur @ 3.5' |
| D | 179.2 | 0.1 | N | BH08C | 4 | 4 | | TD @ 4' bgs |

ATTACHMENT 4: LABORATORY ANALYTICAL REPORTS



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1980-1

Laboratory Sample Delivery Group: 31403236.020.0129

Client Project/Site: JRU DI 1

For:

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

Attn: Tacoma Morrissey

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

Authorized for release by:
2/24/2022 6:52:34 PM

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

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results through

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

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

Client: WSP USA Inc.
Project/Site: JRU DI 1

Laboratory Job ID: 890-1980-1
SDG: 31403236.020.0129

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

Job ID: 890-1980-1

Laboratory: Eurofins Carlsbad**Narrative****Job Narrative
890-1980-1****Receipt**

The samples were received on 2/21/2022 10:14 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SS01 (890-1980-1) and SS02 (890-1980-2). 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

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS01 (890-1980-1), SS02 (890-1980-2), (890-1972-A-1-E), (890-1972-A-1-F MS) and (890-1972-A-1-G MSD). Evidence of matrix interferences is not obvious.

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 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

Client Sample ID: SS01

Lab Sample ID: 890-1980-1

Date Collected: 02/15/22 13:40

Matrix: Solid

Date Received: 02/21/22 10:14

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 | | 02/22/22 15:21 | 02/23/22 16:09 | 1 |
| Toluene | 0.00516 | | 0.00200 | mg/Kg | | 02/22/22 15:21 | 02/23/22 16:09 | 1 |
| Ethylbenzene | 0.00839 | | 0.00200 | mg/Kg | | 02/22/22 15:21 | 02/23/22 16:09 | 1 |
| m-Xylene & p-Xylene | 0.0299 | | 0.00399 | mg/Kg | | 02/22/22 15:21 | 02/23/22 16:09 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/22/22 15:21 | 02/23/22 16:09 | 1 |
| Xylenes, Total | 0.0299 | | 0.00399 | mg/Kg | | 02/22/22 15:21 | 02/23/22 16:09 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 181 | S1+ | 70 - 130 | 02/22/22 15:21 | 02/23/22 16:09 | 1 |
| 1,4-Difluorobenzene (Surr) | 76 | | 70 - 130 | 02/22/22 15:21 | 02/23/22 16:09 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|--------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | 0.0435 | | 0.00399 | mg/Kg | | | 02/24/22 17:03 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | 750 | | 49.9 | mg/Kg | | | 02/23/22 09:21 | 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 | | 02/22/22 09:05 | 02/22/22 17:11 | 1 |
| Diesel Range Organics (Over C10-C28) | 750 | | 49.9 | mg/Kg | | 02/22/22 09:05 | 02/22/22 17:11 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/22/22 09:05 | 02/22/22 17:11 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 69 | S1- | 70 - 130 | 02/22/22 09:05 | 02/22/22 17:11 | 1 |
| o-Terphenyl | 72 | | 70 - 130 | 02/22/22 09:05 | 02/22/22 17:11 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-------|---|----------|----------------|---------|
| Chloride | 13800 | | 248 | mg/Kg | | | 02/23/22 12:08 | 50 |

Client Sample ID: SS02

Lab Sample ID: 890-1980-2

Date Collected: 02/15/22 13:45

Matrix: Solid

Date Received: 02/21/22 10:14

Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/22/22 15:21 | 02/23/22 16:37 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 02/22/22 15:21 | 02/23/22 16:37 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 02/22/22 15:21 | 02/23/22 16:37 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 02/22/22 15:21 | 02/23/22 16:37 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 02/22/22 15:21 | 02/23/22 16:37 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 02/22/22 15:21 | 02/23/22 16:37 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 185 | S1+ | 70 - 130 | 02/22/22 15:21 | 02/23/22 16:37 | 1 |

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Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

Client Sample ID: SS02

Lab Sample ID: 890-1980-2

Date Collected: 02/15/22 13:45

Matrix: Solid

Date Received: 02/21/22 10:14

Sample Depth: 0.5

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

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 73 | | 70 - 130 | 02/22/22 15:21 | 02/23/22 16:37 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 02/24/22 17:03 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 02/23/22 09:21 | 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 | | 02/22/22 09:05 | 02/22/22 17:31 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 02/22/22 09:05 | 02/22/22 17:31 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 02/22/22 09:05 | 02/22/22 17:31 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 69 | S1- | 70 - 130 | | | 02/22/22 09:05 | 02/22/22 17:31 | 1 |
| o-Terphenyl | 79 | | 70 - 130 | | | 02/22/22 09:05 | 02/22/22 17:31 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-------|---|----------|----------------|---------|
| Chloride | 14700 | | 252 | mg/Kg | | | 02/23/22 12:17 | 50 |

Surrogate Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-11473-A-8-E MS | Matrix Spike | 171 S1+ | 81 |
| 880-11473-A-8-F MSD | Matrix Spike Duplicate | 170 S1+ | 82 |
| 890-1980-1 | SS01 | 181 S1+ | 76 |
| 890-1980-2 | SS02 | 185 S1+ | 73 |
| LCS 880-20070/1-A | Lab Control Sample | 175 S1+ | 88 |
| LCSD 880-20070/2-A | Lab Control Sample Dup | 160 S1+ | 90 |
| MB 880-20024/5-A | Method Blank | 120 | 73 |
| MB 880-20070/5-A | Method Blank | 118 | 71 |
| 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) |
| 890-1972-A-1-F MS | Matrix Spike | 70 | 60 S1- |
| 890-1972-A-1-G MSD | Matrix Spike Duplicate | 72 | 61 S1- |
| 890-1980-1 | SS01 | 69 S1- | 72 |
| 890-1980-2 | SS02 | 69 S1- | 79 |
| LCS 880-20026/2-A | Lab Control Sample | 101 | 106 |
| LCSD 880-20026/3-A | Lab Control Sample Dup | 100 | 106 |
| MB 880-20026/1-A | Method Blank | 75 | 91 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20024/5-A

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20024

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/22/22 08:49 | 02/22/22 12:32 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/22/22 08:49 | 02/22/22 12:32 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/22/22 08:49 | 02/22/22 12:32 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 02/22/22 08:49 | 02/22/22 12:32 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/22/22 08:49 | 02/22/22 12:32 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 02/22/22 08:49 | 02/22/22 12:32 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 120 | | 70 - 130 | 02/22/22 08:49 | 02/22/22 12:32 | 1 |
| 1,4-Difluorobenzene (Surr) | 73 | | 70 - 130 | 02/22/22 08:49 | 02/22/22 12:32 | 1 |

Lab Sample ID: MB 880-20070/5-A

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20070

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/22/22 15:21 | 02/23/22 09:15 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 02/22/22 15:21 | 02/23/22 09:15 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 02/22/22 15:21 | 02/23/22 09:15 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 02/22/22 15:21 | 02/23/22 09:15 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 02/22/22 15:21 | 02/23/22 09:15 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 02/22/22 15:21 | 02/23/22 09:15 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 118 | | 70 - 130 | 02/22/22 15:21 | 02/23/22 09:15 | 1 |
| 1,4-Difluorobenzene (Surr) | 71 | | 70 - 130 | 02/22/22 15:21 | 02/23/22 09:15 | 1 |

Lab Sample ID: LCS 880-20070/1-A

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20070

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene | 0.100 | 0.09229 | | mg/Kg | | 92 | 70 - 130 |
| Toluene | 0.100 | 0.1031 | | mg/Kg | | 103 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.1091 | | mg/Kg | | 109 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2323 | | mg/Kg | | 116 | 70 - 130 |
| o-Xylene | 0.100 | 0.1211 | | mg/Kg | | 121 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 175 | S1+ | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 88 | | 70 - 130 |

Lab Sample ID: LCSD 880-20070/2-A

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20070

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene | 0.100 | 0.08443 | | mg/Kg | | 84 | 70 - 130 | 9 | 35 |

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QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

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

Lab Sample ID: LCSD 880-20070/2-A

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20070

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Toluene | 0.100 | 0.09693 | | mg/Kg | | 97 | 70 - 130 | 6 | 35 |
| Ethylbenzene | 0.100 | 0.1019 | | mg/Kg | | 102 | 70 - 130 | 7 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2146 | | mg/Kg | | 107 | 70 - 130 | 8 | 35 |
| o-Xylene | 0.100 | 0.1125 | | mg/Kg | | 112 | 70 - 130 | 7 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 160 | S1+ | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 90 | | 70 - 130 |

Lab Sample ID: 880-11473-A-8-E MS

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20070

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene | <0.00200 | U | 0.0998 | 0.1038 | | mg/Kg | | 104 | 70 - 130 |
| Toluene | <0.00200 | U | 0.0998 | 0.1150 | | mg/Kg | | 115 | 70 - 130 |
| Ethylbenzene | <0.00200 | U | 0.0998 | 0.1147 | | mg/Kg | | 115 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.200 | 0.2364 | | mg/Kg | | 118 | 70 - 130 |
| o-Xylene | <0.00200 | U | 0.0998 | 0.1185 | | mg/Kg | | 119 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 171 | S1+ | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 81 | | 70 - 130 |

Lab Sample ID: 880-11473-A-8-F MSD

Matrix: Solid

Analysis Batch: 20021

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20070

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene | <0.00200 | U | 0.0992 | 0.07988 | | mg/Kg | | 81 | 70 - 130 | 26 | 35 |
| Toluene | <0.00200 | U | 0.0992 | 0.09431 | | mg/Kg | | 95 | 70 - 130 | 20 | 35 |
| Ethylbenzene | <0.00200 | U | 0.0992 | 0.09956 | | mg/Kg | | 100 | 70 - 130 | 14 | 35 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.198 | 0.2088 | | mg/Kg | | 105 | 70 - 130 | 12 | 35 |
| o-Xylene | <0.00200 | U | 0.0992 | 0.1094 | | mg/Kg | | 110 | 70 - 130 | 8 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 170 | S1+ | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 82 | | 70 - 130 |

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

Lab Sample ID: MB 880-20026/1-A

Matrix: Solid

Analysis Batch: 20030

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20026

| 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 | | 02/22/22 09:05 | 02/22/22 11:45 | 1 |

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QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

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

Lab Sample ID: MB 880-20026/1-A

Matrix: Solid

Analysis Batch: 20030

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20026

| 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 | | 02/22/22 09:05 | 02/22/22 11:45 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 02/22/22 09:05 | 02/22/22 11:45 | 1 |
| Surrogate | MB %Recovery | MB Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 75 | | 70 - 130 | | | 02/22/22 09:05 | 02/22/22 11:45 | 1 |
| o-Terphenyl | 91 | | 70 - 130 | | | 02/22/22 09:05 | 02/22/22 11:45 | 1 |

Lab Sample ID: LCS 880-20026/2-A

Matrix: Solid

Analysis Batch: 20030

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20026

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------------------------|------------------|------------------|------------------|-------|---|------|-----------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 849.9 | | mg/Kg | | 85 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 1050 | | mg/Kg | | 105 | 70 - 130 |
| Surrogate | LCS %Recovery | LCS Qualifier | Limits | | | | |
| 1-Chlorooctane | 101 | | 70 - 130 | | | | |
| o-Terphenyl | 106 | | 70 - 130 | | | | |

Lab Sample ID: LCSD 880-20026/3-A

Matrix: Solid

Analysis Batch: 20030

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20026

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|-------------------|-------------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 802.5 | | mg/Kg | | 80 | 70 - 130 | 6 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 986.2 | | mg/Kg | | 99 | 70 - 130 | 6 | 20 |
| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits | | | | | | |
| 1-Chlorooctane | 100 | | 70 - 130 | | | | | | |
| o-Terphenyl | 106 | | 70 - 130 | | | | | | |

Lab Sample ID: 890-1972-A-1-F MS

Matrix: Solid

Analysis Batch: 20030

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20026

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 1000 | 1225 | | mg/Kg | | 123 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 1000 | 1240 | | mg/Kg | | 122 | 70 - 130 |
| Surrogate | MS %Recovery | MS Qualifier | Limits | | | | | | |
| 1-Chlorooctane | 70 | | 70 - 130 | | | | | | |
| o-Terphenyl | 60 | S1- | 70 - 130 | | | | | | |

Eurofins Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

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

Lab Sample ID: 890-1972-A-1-G MSD

Matrix: Solid

Analysis Batch: 20030

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20026

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 998 | 1256 | | mg/Kg | | 126 | 70 - 130 | 2 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 998 | 1271 | | mg/Kg | | 126 | 70 - 130 | 2 | 20 |
| Surrogate | MSD %Recovery | MSD Qualifier | Limits | | | | | | | | |
| 1-Chlorooctane | 72 | | 70 - 130 | | | | | | | | |
| o-Terphenyl | 61 | S1- | 70 - 130 | | | | | | | | |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20032/1-A

Matrix: Solid

Analysis Batch: 20033

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 | | | 02/22/22 10:15 | 1 |

Lab Sample ID: LCS 880-20032/2-A

Matrix: Solid

Analysis Batch: 20033

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250 | 247.7 | | mg/Kg | | 99 | 90 - 110 |

Lab Sample ID: LCSD 880-20032/3-A

Matrix: Solid

Analysis Batch: 20033

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 | 247.4 | | mg/Kg | | 99 | 90 - 110 | 0 | 20 |

Lab Sample ID: 890-1914-A-4-F MS

Matrix: Solid

Analysis Batch: 20033

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 808 | F1 | 248 | 1022 | F1 | mg/Kg | | 87 | 90 - 110 |

Lab Sample ID: 890-1914-A-4-G MSD

Matrix: Solid

Analysis Batch: 20033

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 808 | F1 | 248 | 1016 | F1 | mg/Kg | | 84 | 90 - 110 | 1 | 20 |

Eurofins Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

GC VOA

Analysis Batch: 20021

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-1980-1 | SS01 | Total/NA | Solid | 8021B | 20070 |
| 890-1980-2 | SS02 | Total/NA | Solid | 8021B | 20070 |
| MB 880-20024/5-A | Method Blank | Total/NA | Solid | 8021B | 20024 |
| MB 880-20070/5-A | Method Blank | Total/NA | Solid | 8021B | 20070 |
| LCS 880-20070/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 20070 |
| LCSD 880-20070/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 20070 |
| 880-11473-A-8-E MS | Matrix Spike | Total/NA | Solid | 8021B | 20070 |
| 880-11473-A-8-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 20070 |

Prep Batch: 20024

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-20024/5-A | Method Blank | Total/NA | Solid | 5035 | |

Prep Batch: 20070

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-1980-1 | SS01 | Total/NA | Solid | 5035 | |
| 890-1980-2 | SS02 | Total/NA | Solid | 5035 | |
| MB 880-20070/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-20070/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-20070/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-11473-A-8-E MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-11473-A-8-F MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 20265

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-1980-1 | SS01 | Total/NA | Solid | Total BTEX | |
| 890-1980-2 | SS02 | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 20026

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|-------------|------------|
| 890-1980-1 | SS01 | Total/NA | Solid | 8015NM Prep | |
| 890-1980-2 | SS02 | Total/NA | Solid | 8015NM Prep | |
| MB 880-20026/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-20026/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-20026/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 890-1972-A-1-F MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 890-1972-A-1-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 20030

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-1980-1 | SS01 | Total/NA | Solid | 8015B NM | 20026 |
| 890-1980-2 | SS02 | Total/NA | Solid | 8015B NM | 20026 |
| MB 880-20026/1-A | Method Blank | Total/NA | Solid | 8015B NM | 20026 |
| LCS 880-20026/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 20026 |
| LCSD 880-20026/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 20026 |
| 890-1972-A-1-F MS | Matrix Spike | Total/NA | Solid | 8015B NM | 20026 |
| 890-1972-A-1-G MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 20026 |

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QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

GC Semi VOA

Analysis Batch: 20124

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-1980-1 | SS01 | Total/NA | Solid | 8015 NM | |
| 890-1980-2 | SS02 | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 20032

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-1980-1 | SS01 | Soluble | Solid | DI Leach | |
| 890-1980-2 | SS02 | Soluble | Solid | DI Leach | |
| MB 880-20032/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-20032/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-20032/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-1914-A-4-F MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-1914-A-4-G MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 20033

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-1980-1 | SS01 | Soluble | Solid | 300.0 | 20032 |
| 890-1980-2 | SS02 | Soluble | Solid | 300.0 | 20032 |
| MB 880-20032/1-A | Method Blank | Soluble | Solid | 300.0 | 20032 |
| LCS 880-20032/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 20032 |
| LCSD 880-20032/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 20032 |
| 890-1914-A-4-F MS | Matrix Spike | Soluble | Solid | 300.0 | 20032 |
| 890-1914-A-4-G MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 20032 |

Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

Client Sample ID: SS01

Lab Sample ID: 890-1980-1

Date Collected: 02/15/22 13:40

Matrix: Solid

Date Received: 02/21/22 10:14

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 20070 | 02/22/22 15:21 | MR | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 20021 | 02/23/22 16:09 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | 20265 | 02/24/22 17:03 | AJ | XEN MID |
| Total/NA | Analysis | 8015 NM | | 1 | 20124 | 02/23/22 09:21 | AJ | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 20026 | 02/22/22 09:05 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 20030 | 02/22/22 17:11 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 20032 | 02/22/22 12:00 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 50 | 20033 | 02/23/22 12:08 | CH | XEN MID |

Client Sample ID: SS02

Lab Sample ID: 890-1980-2

Date Collected: 02/15/22 13:45

Matrix: Solid

Date Received: 02/21/22 10:14

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 20070 | 02/22/22 15:21 | MR | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 20021 | 02/23/22 16:37 | MR | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | 20265 | 02/24/22 17:03 | AJ | XEN MID |
| Total/NA | Analysis | 8015 NM | | 1 | 20124 | 02/23/22 09:21 | AJ | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 20026 | 02/22/22 09:05 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 20030 | 02/22/22 17:31 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 20032 | 02/22/22 12:00 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 50 | 20033 | 02/23/22 12:17 | CH | XEN MID |

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400-21-22 | 06-30-22 |

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

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

Method Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

| Method | Method Description | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | XEN MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | XEN MID |
| 8015 NM | Diesel Range Organics (DRO) (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.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-1980-1
SDG: 31403236.020.0129

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-1980-1 | SS01 | Solid | 02/15/22 13:40 | 02/21/22 10:14 | 0.5 |
| 890-1980-2 | SS02 | Solid | 02/15/22 13:45 | 02/21/22 10:14 | 0.5 |

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



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
 Hobbs NM (575-392-7550) Phoenix, AZ (480-355-0900) Atlanta, GA (770-449-6800) Tampa, FL (813-620-2000)

Chain of Custody

Work Order No: _____

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Page 1 of 1

Project Manager: Tacoma Morrissey

Company Name: WSP USA Inc.

Address: 3300 North A Street

City, State ZIP: Midland, TX 79705

Phone: 432.236.3849

Bill to: (if different)

Company Name: XTO Energy

Address: 3104 E Green Street

City, State ZIP: Carlsbad, NM 88220

Email: Alexis.Castro@wsp.com, Tacoma.Morrissey@wsp.com

Work Order Comments

 Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
 State of Project:

 Reporting Level II ☐ Level III ☐ PST/UST ☐ RRP ☐ Level IV ☐
 Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name: JRU DI 1

Project Number: 31403236 020 0129

P.O. Number: 12/20/2021

Sampler's Name: Alexis Castro

SAMPLE RECEIPT

Temperature (°C): 14.4

Received Intact: Yes No

Cooler Custody Seals: Yes No

Sample Custody Seals: Yes No

Temp Blank: Yes No

Wet Ice: Yes No

Thermometer ID: 11M-001

Correction Factor: -0.2

Total Containers: 1

Sample Identification

Matrix

Date Sampled

Time Sampled

Depth

Number of Containers

TPH (EPA 8015)

BTEX (EPA 8015)

Chloride (EPA 300.0)

Sample Comments

TAT starts the day received by the lab. If received by 4:30pm

ANALYSIS REQUEST

Work Order Notes

 API: 30-015-47514
 CC: 1082551001


890-1980 Chain of Custody

 Total 200.7 / 6010 200.8 / 6020:
 Circle Method(s) and Metal(s) to be analyzed

 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Ti Sn U V Zn
 TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U 1631 / 245.1 / 7470 / 7471 : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1980-1
SDG Number: 31403236.020.0129Login Number: 1980
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1980-1
SDG Number: 31403236.020.0129

Login Number: 1980

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 02/22/22 02:59 PM

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2031-1

Laboratory Sample Delivery Group: 31403236.020.0129

Client Project/Site: JRU DI 1

For:

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

Attn: Tacoma Morrissey

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

Authorized for release by:
3/8/2022 12:28:29 PM

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

LINKS

Review your project
results through

TotalAccess

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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 1

Laboratory Job ID: 890-2031-1
SDG: 31403236.020.0129

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Job ID: 890-2031-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2031-1

Receipt

The samples were received on 3/1/2022 9:19 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 4.4°C

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 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Client Sample ID: FS01

Lab Sample ID: 890-2031-1

Date Collected: 02/28/22 12:15

Matrix: Solid

Date Received: 03/01/22 09:19

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 | | 03/04/22 07:45 | 03/04/22 17:01 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:01 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:01 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:01 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:01 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:01 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 17:01 | 1 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 17:01 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U | 0.00401 | mg/Kg | | | 03/06/22 20:58 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8 | U | 49.8 | mg/Kg | | | 03/02/22 17:02 | 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 | | 03/02/22 08:58 | 03/02/22 15:23 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | mg/Kg | | 03/02/22 08:58 | 03/02/22 15:23 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | mg/Kg | | 03/02/22 08:58 | 03/02/22 15:23 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 109 | | 70 - 130 | 03/02/22 08:58 | 03/02/22 15:23 | 1 |
| o-Terphenyl | 114 | | 70 - 130 | 03/02/22 08:58 | 03/02/22 15:23 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 529 | | 4.99 | mg/Kg | | | 03/07/22 11:15 | 1 |

Client Sample ID: FS02

Lab Sample ID: 890-2031-2

Date Collected: 02/28/22 12:25

Matrix: Solid

Date Received: 03/01/22 09:19

Sample Depth: 1.5

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00202 | U | 0.00202 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:21 | 1 |
| Toluene | <0.00202 | U | 0.00202 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:21 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:21 | 1 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:21 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:21 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:21 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 17:21 | 1 |

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Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Client Sample ID: FS02

Lab Sample ID: 890-2031-2

Date Collected: 02/28/22 12:25

Matrix: Solid

Date Received: 03/01/22 09:19

Sample Depth: 1.5

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

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 17:21 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U | 0.00403 | mg/Kg | | | 03/06/22 20:58 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 03/02/22 17:02 | 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 | | 03/02/22 08:58 | 03/02/22 15:44 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 03/02/22 08:58 | 03/02/22 15:44 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 03/02/22 08:58 | 03/02/22 15:44 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 98 | | 70 - 130 | | | 03/02/22 08:58 | 03/02/22 15:44 | 1 |
| o-Terphenyl | 98 | | 70 - 130 | | | 03/02/22 08:58 | 03/02/22 15:44 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 268 | | 4.97 | mg/Kg | | | 03/07/22 11:27 | 1 |

Client Sample ID: FS03

Lab Sample ID: 890-2031-3

Date Collected: 02/28/22 12:35

Matrix: Solid

Date Received: 03/01/22 09:19

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 | | 03/04/22 07:45 | 03/04/22 17:42 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:42 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:42 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:42 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:42 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | mg/Kg | | 03/04/22 07:45 | 03/04/22 17:42 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 17:42 | 1 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 17:42 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U | 0.00401 | mg/Kg | | | 03/06/22 20:58 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 03/02/22 17:02 | 1 |

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Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Client Sample ID: FS03

Lab Sample ID: 890-2031-3

Date Collected: 02/28/22 12:35

Matrix: Solid

Date Received: 03/01/22 09:19

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 | | 03/02/22 08:58 | 03/02/22 16:05 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 03/02/22 08:58 | 03/02/22 16:05 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 03/02/22 08:58 | 03/02/22 16:05 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 104 | | 70 - 130 | | | 03/02/22 08:58 | 03/02/22 16:05 | 1 |
| o-Terphenyl | 108 | | 70 - 130 | | | 03/02/22 08:58 | 03/02/22 16:05 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 147 | | 5.00 | mg/Kg | | | 03/07/22 11:39 | 1 |

Client Sample ID: FS04

Lab Sample ID: 890-2031-4

Date Collected: 02/28/22 12:45

Matrix: Solid

Date Received: 03/01/22 09:19

Sample Depth: 1.5

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00202 | U | 0.00202 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:02 | 1 |
| Toluene | <0.00202 | U | 0.00202 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:02 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:02 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:02 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:02 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:02 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 110 | | 70 - 130 | | | 03/04/22 07:45 | 03/04/22 18:02 | 1 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 | | | 03/04/22 07:45 | 03/04/22 18:02 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U | 0.00404 | mg/Kg | | | 03/06/22 20:58 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <50.0 | U | 50.0 | mg/Kg | | | 03/02/22 17:02 | 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 | | 03/02/22 08:58 | 03/02/22 16:26 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 03/02/22 08:58 | 03/02/22 16:26 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 03/02/22 08:58 | 03/02/22 16:26 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 98 | | 70 - 130 | | | 03/02/22 08:58 | 03/02/22 16:26 | 1 |
| o-Terphenyl | 99 | | 70 - 130 | | | 03/02/22 08:58 | 03/02/22 16:26 | 1 |

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Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Client Sample ID: FS04

Lab Sample ID: 890-2031-4

Date Collected: 02/28/22 12:45

Matrix: Solid

Date Received: 03/01/22 09:19

Sample Depth: 1.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 3180 | | 99.2 | mg/Kg | | | 03/05/22 19:39 | 20 |

Client Sample ID: BH07

Lab Sample ID: 890-2031-5

Date Collected: 02/28/22 13:35

Matrix: Solid

Date Received: 03/01/22 09:19

Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:23 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:23 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:23 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:23 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:23 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:23 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 | | | 03/04/22 07:45 | 03/04/22 18:23 | 1 |
| 1,4-Difluorobenzene (Surr) | 97 | | 70 - 130 | | | 03/04/22 07:45 | 03/04/22 18:23 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U | 0.00399 | mg/Kg | | | 03/06/22 20:58 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 03/02/22 17:02 | 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 | | 03/02/22 08:58 | 03/02/22 16:46 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 03/02/22 08:58 | 03/02/22 16:46 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 03/02/22 08:58 | 03/02/22 16:46 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 107 | | 70 - 130 | | | 03/02/22 08:58 | 03/02/22 16:46 | 1 |
| o-Terphenyl | 108 | | 70 - 130 | | | 03/02/22 08:58 | 03/02/22 16:46 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 276 | | 4.96 | mg/Kg | | | 03/07/22 22:09 | 1 |

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Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Client Sample ID: BH07C

Lab Sample ID: 890-2031-6

Date Collected: 02/28/22 14:00

Matrix: Solid

Date Received: 03/01/22 09:19

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00201 | U | 0.00201 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:43 | 1 |
| Toluene | <0.00201 | U | 0.00201 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:43 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:43 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:43 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:43 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | mg/Kg | | 03/04/22 07:45 | 03/04/22 18:43 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 18:43 | 1 |
| 1,4-Difluorobenzene (Surr) | 97 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 18:43 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U | 0.00402 | mg/Kg | | | 03/06/22 20:58 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 03/02/22 17:02 | 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 | | 03/02/22 08:58 | 03/02/22 17:07 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 03/02/22 08:58 | 03/02/22 17:07 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 03/02/22 08:58 | 03/02/22 17:07 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 101 | | 70 - 130 | 03/02/22 08:58 | 03/02/22 17:07 | 1 |
| o-Terphenyl | 100 | | 70 - 130 | 03/02/22 08:58 | 03/02/22 17:07 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 98.3 | | 4.95 | mg/Kg | | | 03/08/22 11:59 | 1 |

Client Sample ID: BH08

Lab Sample ID: 890-2031-7

Date Collected: 02/28/22 15:05

Matrix: Solid

Date Received: 03/01/22 09:19

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 | | 03/04/22 07:45 | 03/04/22 19:04 | 1 |
| Toluene | <0.00199 | U | 0.00199 | mg/Kg | | 03/04/22 07:45 | 03/04/22 19:04 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | mg/Kg | | 03/04/22 07:45 | 03/04/22 19:04 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | mg/Kg | | 03/04/22 07:45 | 03/04/22 19:04 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | mg/Kg | | 03/04/22 07:45 | 03/04/22 19:04 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | mg/Kg | | 03/04/22 07:45 | 03/04/22 19:04 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 19:04 | 1 |

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Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Client Sample ID: BH08

Lab Sample ID: 890-2031-7

Date Collected: 02/28/22 15:05

Matrix: Solid

Date Received: 03/01/22 09:19

Sample Depth: 2

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

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 19:04 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | mg/Kg | | | 03/06/22 20:58 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.8 | U | 49.8 | mg/Kg | | | 03/02/22 17:02 | 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 | | 03/02/22 08:58 | 03/02/22 17:28 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.8 | U | 49.8 | mg/Kg | | 03/02/22 08:58 | 03/02/22 17:28 | 1 |
| Oil Range Organics (Over C28-C36) | <49.8 | U | 49.8 | mg/Kg | | 03/02/22 08:58 | 03/02/22 17:28 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 102 | | 70 - 130 | | | 03/02/22 08:58 | 03/02/22 17:28 | 1 |
| o-Terphenyl | 101 | | 70 - 130 | | | 03/02/22 08:58 | 03/02/22 17:28 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 197 | | 5.00 | mg/Kg | | | 03/08/22 12:05 | 1 |

Client Sample ID: BH08C

Lab Sample ID: 890-2031-8

Date Collected: 02/28/22 15:25

Matrix: Solid

Date Received: 03/01/22 09:19

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 19:24 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 19:24 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 19:24 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 03/04/22 07:45 | 03/04/22 19:24 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 19:24 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 03/04/22 07:45 | 03/04/22 19:24 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 19:24 | 1 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 19:24 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U | 0.00400 | mg/Kg | | | 03/06/22 20:58 | 1 |

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

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Total TPH | <49.9 | U | 49.9 | mg/Kg | | | 03/02/22 17:02 | 1 |

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Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Client Sample ID: BH08C

Lab Sample ID: 890-2031-8

Date Collected: 02/28/22 15:25

Matrix: Solid

Date Received: 03/01/22 09:19

Sample Depth: 4

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 | | 03/02/22 08:58 | 03/02/22 17:49 | 1 |
| Diesel Range Organics (Over C10-C28) | <49.9 | U | 49.9 | mg/Kg | | 03/02/22 08:58 | 03/02/22 17:49 | 1 |
| Oil Range Organics (Over C28-C36) | <49.9 | U | 49.9 | mg/Kg | | 03/02/22 08:58 | 03/02/22 17:49 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane | 102 | | 70 - 130 | | | 03/02/22 08:58 | 03/02/22 17:49 | 1 |
| o-Terphenyl | 100 | | 70 - 130 | | | 03/02/22 08:58 | 03/02/22 17:49 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-------|---|----------|----------------|---------|
| Chloride | 281 | | 4.99 | mg/Kg | | | 03/08/22 12:11 | 1 |

Surrogate Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-11741-A-1-H MS | Matrix Spike | 105 | 102 |
| 880-11741-A-1-I MSD | Matrix Spike Duplicate | 104 | 102 |
| 890-2031-1 | FS01 | 102 | 98 |
| 890-2031-2 | FS02 | 102 | 98 |
| 890-2031-3 | FS03 | 105 | 98 |
| 890-2031-4 | FS04 | 110 | 102 |
| 890-2031-5 | BH07 | 102 | 97 |
| 890-2031-6 | BH07C | 103 | 97 |
| 890-2031-7 | BH08 | 102 | 98 |
| 890-2031-8 | BH08C | 104 | 98 |
| LCS 880-20668/1-A | Lab Control Sample | 97 | 101 |
| LCSD 880-20668/2-A | Lab Control Sample Dup | 99 | 102 |
| MB 880-20668/5-A | Method Blank | 104 | 95 |
| Surrogate Legend | | | |
| BFB = 4-Bromofluorobenzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenzene (Surr) | | | |

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

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | 1CO1 (70-130) | OTPH1 (70-130) |
| 880-11908-A-1-B MS | Matrix Spike | 107 | 105 |
| 880-11908-A-1-C MSD | Matrix Spike Duplicate | 93 | 87 |
| 890-2031-1 | FS01 | 109 | 114 |
| 890-2031-2 | FS02 | 98 | 98 |
| 890-2031-3 | FS03 | 104 | 108 |
| 890-2031-4 | FS04 | 98 | 99 |
| 890-2031-5 | BH07 | 107 | 108 |
| 890-2031-6 | BH07C | 101 | 100 |
| 890-2031-7 | BH08 | 102 | 101 |
| 890-2031-8 | BH08C | 102 | 100 |
| LCS 880-20659/2-A | Lab Control Sample | 104 | 97 |
| LCSD 880-20659/3-A | Lab Control Sample Dup | 107 | 95 |
| MB 880-20659/1-A | Method Blank | 101 | 110 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane | | | |
| OTPH = o-Terphenyl | | | |

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QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20668/5-A

Matrix: Solid

Analysis Batch: 20854

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20668

| Analyte | MB Result | MB Qualifier | RL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:31 | 1 |
| Toluene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:31 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:31 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:31 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:31 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:31 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 11:31 | 1 |
| 1,4-Difluorobenzene (Surr) | 95 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 11:31 | 1 |

Lab Sample ID: LCS 880-20668/1-A

Matrix: Solid

Analysis Batch: 20854

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20668

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene | 0.100 | 0.1062 | | mg/Kg | | 106 | 70 - 130 |
| Toluene | 0.100 | 0.1031 | | mg/Kg | | 103 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09905 | | mg/Kg | | 99 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2035 | | mg/Kg | | 102 | 70 - 130 |
| o-Xylene | 0.100 | 0.09826 | | mg/Kg | | 98 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: LCSD 880-20668/2-A

Matrix: Solid

Analysis Batch: 20854

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20668

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene | 0.100 | 0.1116 | | mg/Kg | | 112 | 70 - 130 | 5 | 35 |
| Toluene | 0.100 | 0.1082 | | mg/Kg | | 108 | 70 - 130 | 5 | 35 |
| Ethylbenzene | 0.100 | 0.1035 | | mg/Kg | | 104 | 70 - 130 | 4 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2121 | | mg/Kg | | 106 | 70 - 130 | 4 | 35 |
| o-Xylene | 0.100 | 0.1025 | | mg/Kg | | 102 | 70 - 130 | 4 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 |

Lab Sample ID: 880-11741-A-1-H MS

Matrix: Solid

Analysis Batch: 20854

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20668

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene | <0.00199 | U | 0.0988 | 0.09517 | | mg/Kg | | 96 | 70 - 130 |
| Toluene | <0.00199 | U | 0.0988 | 0.09286 | | mg/Kg | | 94 | 70 - 130 |

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QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

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

Lab Sample ID: 880-11741-A-1-H MS

Matrix: Solid

Analysis Batch: 20854

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20668

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Ethylbenzene | <0.00199 | U | 0.0988 | 0.08880 | | mg/Kg | | 90 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.198 | 0.1824 | | mg/Kg | | 92 | 70 - 130 |
| o-Xylene | <0.00199 | U | 0.0988 | 0.08865 | | mg/Kg | | 90 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 |

Lab Sample ID: 880-11741-A-1-I MSD

Matrix: Solid

Analysis Batch: 20854

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20668

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene | <0.00199 | U | 0.100 | 0.09169 | | mg/Kg | | 92 | 70 - 130 | 4 | 35 |
| Toluene | <0.00199 | U | 0.100 | 0.08797 | | mg/Kg | | 87 | 70 - 130 | 5 | 35 |
| Ethylbenzene | <0.00199 | U | 0.100 | 0.08420 | | mg/Kg | | 84 | 70 - 130 | 5 | 35 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.200 | 0.1735 | | mg/Kg | | 87 | 70 - 130 | 5 | 35 |
| o-Xylene | <0.00199 | U | 0.100 | 0.08423 | | mg/Kg | | 84 | 70 - 130 | 5 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 |

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

Lab Sample ID: MB 880-20659/1-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20659

| 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 | | 03/02/22 08:58 | 03/02/22 09:04 | 1 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 50.0 | mg/Kg | | 03/02/22 08:58 | 03/02/22 09:04 | 1 |
| Oil Range Organics (Over C28-C36) | <50.0 | U | 50.0 | mg/Kg | | 03/02/22 08:58 | 03/02/22 09:04 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|----------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane | 101 | | 70 - 130 | 03/02/22 08:58 | 03/02/22 09:04 | 1 |
| o-Terphenyl | 110 | | 70 - 130 | 03/02/22 08:58 | 03/02/22 09:04 | 1 |

Lab Sample ID: LCS 880-20659/2-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20659

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|--------------------------------------|-------------|------------|---------------|-------|---|------|--------------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1064 | | mg/Kg | | 106 | 70 - 130 |
| Diesel Range Organics (Over C10-C28) | 1000 | 884.1 | | mg/Kg | | 88 | 70 - 130 |

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QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

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

Lab Sample ID: LCS 880-20659/2-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20659

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

Lab Sample ID: LCSD 880-20659/3-A

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20659

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | 1000 | 1088 | | mg/Kg | | 109 | 70 - 130 | 2 | 20 |
| Diesel Range Organics (Over C10-C28) | 1000 | 892.2 | | mg/Kg | | 89 | 70 - 130 | 1 | 20 |

| | LCSD | LCSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 107 | | 70 - 130 |
| o-Terphenyl | 95 | | 70 - 130 |

Lab Sample ID: 880-11908-A-1-B MS

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20659

| 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 | <50.0 | U | 1000 | 1050 | | mg/Kg | | 103 | 70 - 130 | | |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 1000 | 949.8 | | mg/Kg | | 95 | 70 - 130 | | |

| | MS | MS | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 107 | | 70 - 130 |
| o-Terphenyl | 105 | | 70 - 130 |

Lab Sample ID: 880-11908-A-1-C MSD

Matrix: Solid

Analysis Batch: 20655

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20659

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|--------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Gasoline Range Organics (GRO)-C6-C10 | <50.0 | U | 998 | 973.2 | | mg/Kg | | 96 | 70 - 130 | 8 | 20 |
| Diesel Range Organics (Over C10-C28) | <50.0 | U | 998 | 800.0 | | mg/Kg | | 80 | 70 - 130 | 17 | 20 |

| | MSD | MSD | |
|----------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane | 93 | | 70 - 130 |
| o-Terphenyl | 87 | | 70 - 130 |

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QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20806/1-A

Matrix: Solid

Analysis Batch: 20936

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 | | | 03/07/22 19:36 | 1 |

Lab Sample ID: LCS 880-20806/2-A

Matrix: Solid

Analysis Batch: 20936

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|----------------|---------------|------------------|-------|---|------|-----------------|
| Chloride | 200 | 201.4 | | mg/Kg | | 101 | 90 - 110 |

Lab Sample ID: LCSD 880-20806/3-A

Matrix: Solid

Analysis Batch: 20936

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 | 200 | 203.3 | | mg/Kg | | 102 | 90 - 110 | 1 | 20 |

Lab Sample ID: 880-11928-A-8-D MS

Matrix: Solid

Analysis Batch: 20936

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| Chloride | 104 | | 250 | 353.8 | | mg/Kg | | 100 | 90 - 110 |

Lab Sample ID: 880-11928-A-8-E MSD

Matrix: Solid

Analysis Batch: 20936

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 104 | | 250 | 364.0 | | mg/Kg | | 104 | 90 - 110 | 3 | 20 |

Lab Sample ID: MB 880-20681/1-A

Matrix: Solid

Analysis Batch: 20963

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 | | | 03/05/22 13:14 | 1 |

Lab Sample ID: LCS 880-20681/2-A

Matrix: Solid

Analysis Batch: 20963

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|----------------|---------------|------------------|-------|---|------|-----------------|
| Chloride | 250 | 254.8 | | mg/Kg | | 102 | 90 - 110 |

Lab Sample ID: LCSD 880-20681/3-A

Matrix: Solid

Analysis Batch: 20963

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|----------------|----------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 250 | 257.4 | | mg/Kg | | 103 | 90 - 110 | 1 | 20 |

Eurofins Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Method: 300.0 - Anions, Ion Chromatography

| | | | | | | | | | | | | |
|----------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--------------------------------|--|--|
| Lab Sample ID: 890-2030-A-7-D MS | | | | | | | | | | Client Sample ID: Matrix Spike | | |
| Matrix: Solid | | | | | | | | | | Prep Type: Soluble | | |
| Analysis Batch: 20963 | | | | | | | | | | | | |
| | Sample | Sample | Spike | MS | MS | | | | %Rec. | | | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | | | |
| Chloride | 77.5 | | 250 | 316.5 | | mg/Kg | | 96 | 90 - 110 | | | |

| | | | | | | | | | | | | |
|-----------------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--|-------|--|
| Lab Sample ID: 890-2030-A-7-E MSD | | | | | | | | | | Client Sample ID: Matrix Spike Duplicate | | |
| Matrix: Solid | | | | | | | | | | Prep Type: Soluble | | |
| Analysis Batch: 20963 | | | | | | | | | | | | |
| | Sample | Sample | Spike | MSD | MSD | | | | %Rec. | | RPD | |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | |
| Chloride | 77.5 | | 250 | 321.4 | | mg/Kg | | 98 | 90 - 110 | 2 | 20 | |

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

GC VOA

Prep Batch: 20668

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-2031-1 | FS01 | Total/NA | Solid | 5035 | |
| 890-2031-2 | FS02 | Total/NA | Solid | 5035 | |
| 890-2031-3 | FS03 | Total/NA | Solid | 5035 | |
| 890-2031-4 | FS04 | Total/NA | Solid | 5035 | |
| 890-2031-5 | BH07 | Total/NA | Solid | 5035 | |
| 890-2031-6 | BH07C | Total/NA | Solid | 5035 | |
| 890-2031-7 | BH08 | Total/NA | Solid | 5035 | |
| 890-2031-8 | BH08C | Total/NA | Solid | 5035 | |
| MB 880-20668/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-20668/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-20668/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-11741-A-1-H MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-11741-A-1-I MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 20854

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-2031-1 | FS01 | Total/NA | Solid | 8021B | 20668 |
| 890-2031-2 | FS02 | Total/NA | Solid | 8021B | 20668 |
| 890-2031-3 | FS03 | Total/NA | Solid | 8021B | 20668 |
| 890-2031-4 | FS04 | Total/NA | Solid | 8021B | 20668 |
| 890-2031-5 | BH07 | Total/NA | Solid | 8021B | 20668 |
| 890-2031-6 | BH07C | Total/NA | Solid | 8021B | 20668 |
| 890-2031-7 | BH08 | Total/NA | Solid | 8021B | 20668 |
| 890-2031-8 | BH08C | Total/NA | Solid | 8021B | 20668 |
| MB 880-20668/5-A | Method Blank | Total/NA | Solid | 8021B | 20668 |
| LCS 880-20668/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 20668 |
| LCSD 880-20668/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 20668 |
| 880-11741-A-1-H MS | Matrix Spike | Total/NA | Solid | 8021B | 20668 |
| 880-11741-A-1-I MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 20668 |

Analysis Batch: 20993

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 890-2031-1 | FS01 | Total/NA | Solid | Total BTEX | |
| 890-2031-2 | FS02 | Total/NA | Solid | Total BTEX | |
| 890-2031-3 | FS03 | Total/NA | Solid | Total BTEX | |
| 890-2031-4 | FS04 | Total/NA | Solid | Total BTEX | |
| 890-2031-5 | BH07 | Total/NA | Solid | Total BTEX | |
| 890-2031-6 | BH07C | Total/NA | Solid | Total BTEX | |
| 890-2031-7 | BH08 | Total/NA | Solid | Total BTEX | |
| 890-2031-8 | BH08C | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Analysis Batch: 20655

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|----------|------------|
| 890-2031-1 | FS01 | Total/NA | Solid | 8015B NM | 20659 |
| 890-2031-2 | FS02 | Total/NA | Solid | 8015B NM | 20659 |
| 890-2031-3 | FS03 | Total/NA | Solid | 8015B NM | 20659 |
| 890-2031-4 | FS04 | Total/NA | Solid | 8015B NM | 20659 |
| 890-2031-5 | BH07 | Total/NA | Solid | 8015B NM | 20659 |
| 890-2031-6 | BH07C | Total/NA | Solid | 8015B NM | 20659 |

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QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

GC Semi VOA (Continued)

Analysis Batch: 20655 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-2031-7 | BH08 | Total/NA | Solid | 8015B NM | 20659 |
| 890-2031-8 | BH08C | Total/NA | Solid | 8015B NM | 20659 |
| MB 880-20659/1-A | Method Blank | Total/NA | Solid | 8015B NM | 20659 |
| LCS 880-20659/2-A | Lab Control Sample | Total/NA | Solid | 8015B NM | 20659 |
| LCSD 880-20659/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015B NM | 20659 |
| 880-11908-A-1-B MS | Matrix Spike | Total/NA | Solid | 8015B NM | 20659 |
| 880-11908-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015B NM | 20659 |

Prep Batch: 20659

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|-------------|------------|
| 890-2031-1 | FS01 | Total/NA | Solid | 8015NM Prep | |
| 890-2031-2 | FS02 | Total/NA | Solid | 8015NM Prep | |
| 890-2031-3 | FS03 | Total/NA | Solid | 8015NM Prep | |
| 890-2031-4 | FS04 | Total/NA | Solid | 8015NM Prep | |
| 890-2031-5 | BH07 | Total/NA | Solid | 8015NM Prep | |
| 890-2031-6 | BH07C | Total/NA | Solid | 8015NM Prep | |
| 890-2031-7 | BH08 | Total/NA | Solid | 8015NM Prep | |
| 890-2031-8 | BH08C | Total/NA | Solid | 8015NM Prep | |
| MB 880-20659/1-A | Method Blank | Total/NA | Solid | 8015NM Prep | |
| LCS 880-20659/2-A | Lab Control Sample | Total/NA | Solid | 8015NM Prep | |
| LCSD 880-20659/3-A | Lab Control Sample Dup | Total/NA | Solid | 8015NM Prep | |
| 880-11908-A-1-B MS | Matrix Spike | Total/NA | Solid | 8015NM Prep | |
| 880-11908-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Solid | 8015NM Prep | |

Analysis Batch: 20724

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 890-2031-1 | FS01 | Total/NA | Solid | 8015 NM | |
| 890-2031-2 | FS02 | Total/NA | Solid | 8015 NM | |
| 890-2031-3 | FS03 | Total/NA | Solid | 8015 NM | |
| 890-2031-4 | FS04 | Total/NA | Solid | 8015 NM | |
| 890-2031-5 | BH07 | Total/NA | Solid | 8015 NM | |
| 890-2031-6 | BH07C | Total/NA | Solid | 8015 NM | |
| 890-2031-7 | BH08 | Total/NA | Solid | 8015 NM | |
| 890-2031-8 | BH08C | Total/NA | Solid | 8015 NM | |

HPLC/IC

Leach Batch: 20681

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 890-2031-1 | FS01 | Soluble | Solid | DI Leach | |
| 890-2031-2 | FS02 | Soluble | Solid | DI Leach | |
| 890-2031-3 | FS03 | Soluble | Solid | DI Leach | |
| 890-2031-4 | FS04 | Soluble | Solid | DI Leach | |
| MB 880-20681/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-20681/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-20681/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 890-2030-A-7-D MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 890-2030-A-7-E MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Eurofins Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

HPLC/IC

Leach Batch: 20806

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 890-2031-5 | BH07 | Soluble | Solid | DI Leach | |
| 890-2031-6 | BH07C | Soluble | Solid | DI Leach | |
| 890-2031-7 | BH08 | Soluble | Solid | DI Leach | |
| 890-2031-8 | BH08C | Soluble | Solid | DI Leach | |
| MB 880-20806/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-20806/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-20806/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-11928-A-8-D MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-11928-A-8-E MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 20936

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 890-2031-5 | BH07 | Soluble | Solid | 300.0 | 20806 |
| 890-2031-6 | BH07C | Soluble | Solid | 300.0 | 20806 |
| 890-2031-7 | BH08 | Soluble | Solid | 300.0 | 20806 |
| 890-2031-8 | BH08C | Soluble | Solid | 300.0 | 20806 |
| MB 880-20806/1-A | Method Blank | Soluble | Solid | 300.0 | 20806 |
| LCS 880-20806/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 20806 |
| LCSD 880-20806/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 20806 |
| 880-11928-A-8-D MS | Matrix Spike | Soluble | Solid | 300.0 | 20806 |
| 880-11928-A-8-E MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 20806 |

Analysis Batch: 20963

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 890-2031-1 | FS01 | Soluble | Solid | 300.0 | 20681 |
| 890-2031-2 | FS02 | Soluble | Solid | 300.0 | 20681 |
| 890-2031-3 | FS03 | Soluble | Solid | 300.0 | 20681 |
| 890-2031-4 | FS04 | Soluble | Solid | 300.0 | 20681 |
| MB 880-20681/1-A | Method Blank | Soluble | Solid | 300.0 | 20681 |
| LCS 880-20681/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 20681 |
| LCSD 880-20681/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 20681 |
| 890-2030-A-7-D MS | Matrix Spike | Soluble | Solid | 300.0 | 20681 |
| 890-2030-A-7-E MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 20681 |

Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Client Sample ID: FS01

Lab Sample ID: 890-2031-1

Date Collected: 02/28/22 12:15

Matrix: Solid

Date Received: 03/01/22 09:19

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 20668 | 03/04/22 07:45 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 20854 | 03/04/22 17:01 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | 20993 | 03/06/22 20:58 | AJ | XEN MID |
| Total/NA | Analysis | 8015 NM | | 1 | 20724 | 03/02/22 17:02 | AJ | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 20659 | 03/02/22 08:58 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 20655 | 03/02/22 15:23 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 20681 | 03/02/22 10:50 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | 20963 | 03/07/22 11:15 | SC | XEN MID |

Client Sample ID: FS02

Lab Sample ID: 890-2031-2

Date Collected: 02/28/22 12:25

Matrix: Solid

Date Received: 03/01/22 09:19

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 20668 | 03/04/22 07:45 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 20854 | 03/04/22 17:21 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | 20993 | 03/06/22 20:58 | AJ | XEN MID |
| Total/NA | Analysis | 8015 NM | | 1 | 20724 | 03/02/22 17:02 | AJ | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 20659 | 03/02/22 08:58 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 20655 | 03/02/22 15:44 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 20681 | 03/02/22 10:50 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | 20963 | 03/07/22 11:27 | SC | XEN MID |

Client Sample ID: FS03

Lab Sample ID: 890-2031-3

Date Collected: 02/28/22 12:35

Matrix: Solid

Date Received: 03/01/22 09:19

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 20668 | 03/04/22 07:45 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 20854 | 03/04/22 17:42 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | 20993 | 03/06/22 20:58 | AJ | XEN MID |
| Total/NA | Analysis | 8015 NM | | 1 | 20724 | 03/02/22 17:02 | AJ | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 20659 | 03/02/22 08:58 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 20655 | 03/02/22 16:05 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 20681 | 03/02/22 10:50 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | 20963 | 03/07/22 11:39 | SC | XEN MID |

Client Sample ID: FS04

Lab Sample ID: 890-2031-4

Date Collected: 02/28/22 12:45

Matrix: Solid

Date Received: 03/01/22 09:19

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 20668 | 03/04/22 07:45 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 20854 | 03/04/22 18:02 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | 20993 | 03/06/22 20:58 | AJ | XEN MID |

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Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Client Sample ID: FS04

Lab Sample ID: 890-2031-4

Date Collected: 02/28/22 12:45

Matrix: Solid

Date Received: 03/01/22 09:19

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Analysis | 8015 NM | | 1 | 20724 | 03/02/22 17:02 | AJ | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 20659 | 03/02/22 08:58 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 20655 | 03/02/22 16:26 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 20681 | 03/02/22 10:50 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 20 | 20963 | 03/05/22 19:39 | SC | XEN MID |

Client Sample ID: BH07

Lab Sample ID: 890-2031-5

Date Collected: 02/28/22 13:35

Matrix: Solid

Date Received: 03/01/22 09:19

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 20668 | 03/04/22 07:45 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 20854 | 03/04/22 18:23 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | 20993 | 03/06/22 20:58 | AJ | XEN MID |
| Total/NA | Analysis | 8015 NM | | 1 | 20724 | 03/02/22 17:02 | AJ | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 20659 | 03/02/22 08:58 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 20655 | 03/02/22 16:46 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 20806 | 03/03/22 12:05 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | 20936 | 03/07/22 22:09 | CH | XEN MID |

Client Sample ID: BH07C

Lab Sample ID: 890-2031-6

Date Collected: 02/28/22 14:00

Matrix: Solid

Date Received: 03/01/22 09:19

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 20668 | 03/04/22 07:45 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 20854 | 03/04/22 18:43 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | 20993 | 03/06/22 20:58 | AJ | XEN MID |
| Total/NA | Analysis | 8015 NM | | 1 | 20724 | 03/02/22 17:02 | AJ | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 20659 | 03/02/22 08:58 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 20655 | 03/02/22 17:07 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 20806 | 03/03/22 12:05 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | 20936 | 03/08/22 11:59 | CH | XEN MID |

Client Sample ID: BH08

Lab Sample ID: 890-2031-7

Date Collected: 02/28/22 15:05

Matrix: Solid

Date Received: 03/01/22 09:19

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 20668 | 03/04/22 07:45 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 20854 | 03/04/22 19:04 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | 20993 | 03/06/22 20:58 | AJ | XEN MID |
| Total/NA | Analysis | 8015 NM | | 1 | 20724 | 03/02/22 17:02 | AJ | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 20659 | 03/02/22 08:58 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 20655 | 03/02/22 17:28 | AJ | XEN MID |

Eurofins Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Client Sample ID: BH08

Lab Sample ID: 890-2031-7

Date Collected: 02/28/22 15:05

Matrix: Solid

Date Received: 03/01/22 09:19

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Soluble | Leach | DI Leach | | | 20806 | 03/03/22 12:05 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | 20936 | 03/08/22 12:05 | CH | XEN MID |

Client Sample ID: BH08C

Lab Sample ID: 890-2031-8

Date Collected: 02/28/22 15:25

Matrix: Solid

Date Received: 03/01/22 09:19

| Prep Type | Batch Type | Batch Method | Run | Dilution Factor | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|--------------|-----|-----------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 20668 | 03/04/22 07:45 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 20854 | 03/04/22 19:24 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | 20993 | 03/06/22 20:58 | AJ | XEN MID |
| Total/NA | Analysis | 8015 NM | | 1 | 20724 | 03/02/22 17:02 | AJ | XEN MID |
| Total/NA | Prep | 8015NM Prep | | | 20659 | 03/02/22 08:58 | DM | XEN MID |
| Total/NA | Analysis | 8015B NM | | 1 | 20655 | 03/02/22 17:49 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 20806 | 03/03/22 12:05 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | 20936 | 03/08/22 12:11 | CH | XEN MID |

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400-21-22 | 06-30-22 |

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

| Analysis Method | Prep Method | Matrix | Analyte |
|-----------------|-------------|--------|------------|
| 8015 NM | | Solid | Total TPH |
| Total BTEX | | Solid | Total BTEX |

Method Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

| Method | Method Description | Protocol | Laboratory |
|-------------|------------------------------------|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | XEN MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | XEN MID |
| 8015 NM | Diesel Range Organics (DRO) (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.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 890-2031-1
SDG: 31403236.020.0129

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 890-2031-1 | FS01 | Solid | 02/28/22 12:15 | 03/01/22 09:19 | 1.5 |
| 890-2031-2 | FS02 | Solid | 02/28/22 12:25 | 03/01/22 09:19 | 1.5 |
| 890-2031-3 | FS03 | Solid | 02/28/22 12:35 | 03/01/22 09:19 | 1.5 |
| 890-2031-4 | FS04 | Solid | 02/28/22 12:45 | 03/01/22 09:19 | 1.5 |
| 890-2031-5 | BH07 | Solid | 02/28/22 13:35 | 03/01/22 09:19 | 1 |
| 890-2031-6 | BH07C | Solid | 02/28/22 14:00 | 03/01/22 09:19 | 4 |
| 890-2031-7 | BH08 | Solid | 02/28/22 15:05 | 03/01/22 09:19 | 2 |
| 890-2031-8 | BH08C | Solid | 02/28/22 15:25 | 03/01/22 09:19 | 4 |



Houston, TX (281) 240-4200 Dallas, TX (214) 902-0300 San Antonio, TX (210) 509-3334
Midland, TX (432) 704-5440 El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
Phoenix, AZ (480) 335-0900 Atlanta, GA (770) 445-8800 Tampa, FL (813) 575-3927
Hobbs, NM (575) 392-7550

Chain of Custody

Work Order No.

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Page 1 of 2

| | | | |
|------------------|---------------------|-------------------------|---|
| Project Manager: | Tacoma Morrissey | Bill to: (if different) | Kyle Litrell |
| Company Name: | WSP USA Inc. | Company Name: | XTO Energy |
| Address: | 3300 North A Street | Address: | 3104 E Green Street |
| City, State ZIP: | Midland, TX 79705 | City, State ZIP: | Carlsbad, NM 88220 |
| Phone: | 432.236.3849 | Email: | Alexis.Castro@wsp.com, Tacoma.Morrissey@wsp.com |

| Work Order Comments | |
|---|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> | |
| State of Project: | |
| Reporting Level I <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> | |
| Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: | |

| | | | | | | | | |
|-----------------|-------------------|---|------------------|--|--|--|--|-------------------|
| Project Name: | JRU DI 1 | Turn Around | ANALYSIS REQUEST | | | | | Work Order Notes |
| Project Number: | 31403236.020.0129 | Routine <input checked="" type="checkbox"/> | | | | | | API: 30-015-47514 |
| P.O. Number: | 12/20/2021 | Rush: | | | | | | CC: 1082551001 |
| Sampler's Name: | Alexis Castro | Due Date: | | | | | | |

| SAMPLE RECEIPT | | Temp Blank: | Yes | No | Well Ice: | Yes | No |
|-----------------------|-----------|----------------|--------|----|--------------------|------|----|
| Temperature (°C): | 4.6 / 4.4 | Thermometer ID | | | | | |
| Received intact: | Yes | No | 1-N-07 | | | | |
| Cooler Custody Seals: | Yes | No | N/A | | Correction Factor: | -0.2 | |
| Sample Custody Seals: | Yes | No | N/A | | Total Containers: | | |

Number of Containers

(EPA 8015)

(EPA 8021)

(EPA 300.0)

890-2031 Chain of Custody

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

[illegible]

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

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| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-------------|
| 1 <i>Mr. [Signature]</i> | <i>[Signature]</i> | 3/21/22 | 2 <i>[Signature]</i> | <i>[Signature]</i> | 4/3/22 9:11 |
| 3 | | | 4 | | |
| 5 | | | 6 | | |

Revised Date: 05/18 Rev. 2018



Chain of Custody

Work Order No: _____

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 Midland, TX (432) 704-5440 El Paso, TX (915) 585-3443 Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 392-7550 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 445-8800 Tampa, FL (813) 620-2000

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Page 2 of 2

| | | | |
|------------------|---------------------|-------------------------|---|
| Project Manager: | Tacoma Morrissey | Bill to: (if different) | Kyle Littlell |
| Company Name: | WSP USA Inc. | Company Name: | XTO Energy |
| Address: | 3300 North A Street | Address: | 3104 E Green Street |
| City, State ZIP: | Midland, TX 79705 | City, State ZIP: | Carlsbad, NM 88220 |
| Phone: | 432.236.3849 | Email: | Alexis.Castro@wsp.com; Tacoma.Morrissey@wsp.com |

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

| | | | |
|-----------------|-------------------|-------------|-------------------------------------|
| Project Name: | JRU DI 1 | Turn Around | |
| Project Number: | 31403236.020.0129 | Routine | <input checked="" type="checkbox"/> |
| P.O. Number: | 12/20/2021 | Rush: | |
| Sampler's Name: | Alexis Castro | Due Date: | |

| SAMPLE RECEIPT | | | | Thermometer ID | | | |
|-----------------------|-------------|-----|-----|--------------------|-----|----|--|
| Temperature (°C): | Temp Blank: | Yes | No | Wet Ice: | Yes | No | |
| Received In tact: | Yes | No | | Correction Factor: | | | |
| Cooler Custody Seals: | Yes | No | N/A | Total Containers: | 10 | | |
| Sample Custody Seals: | Yes | No | N/A | | | | |

| Sample Identification | Matrix | Date Sampled | Time Sampled | Depth | Number of Containers | | | | | | | | | | TPH (EPA 8015) | BTEX (EPA 0-8021) | Chloride (EPA 300.0) | Sample Comments |
|-----------------------|--------|--------------|--------------|-------|----------------------|---|---|---|---|---|---|---|---|----|----------------|-------------------|----------------------|-----------------|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | | | |
| BH07 | S | 02/28/2022 | 1335 | 1' | 1 | X | X | X | | | | | | | | | | |
| BH07C | S | 02/28/2022 | 1400 | 4' | 1 | X | X | X | | | | | | | | | | |
| BH08A | S | 02/28/2022 | 1505 | 2' | 1 | X | X | X | | | | | | | | | | |
| BH08C | S | 02/28/2022 | 1525 | 4' | 1 | X | X | X | | | | | | | | | | |
| AK | | | | | | | | | | | | | | | | | | |

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

1631 / 245.1 / 7470 / 7471 : Hg

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| | | | | | |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-------------|
| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
| <i>[Signature]</i> | <i>[Signature]</i> | 3/1/22 | <i>[Signature]</i> | <i>[Signature]</i> | 3/1/22 9:14 |
| | | | | | |
| | | | | | |
| | | | | | |

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-2031-1

SDG Number: 31403236.020.0129

Login Number: 2031

List Number: 1

Creator: Olivas, Nathaniel

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-2031-1
SDG Number: 31403236.020.0129

Login Number: 2031

List Number: 2

Creator: Kramer, Jessica

List Source: Eurofins Midland

List Creation: 03/02/22 11:22 AM

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-11739-1

Laboratory Sample Delivery Group: 32.37988,-103.88687

Client Project/Site: JRU D1 1

For:

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

Attn: Tacoma Morrissey

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

Authorized for release by:
3/7/2022 9:17:37 PM

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

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

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

Client: WSP USA Inc.
Project/Site: JRU D1 1

Laboratory Job ID: 880-11739-1
SDG: 32.37988,-103.88687

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

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

HPLC/IC

| Qualifier | Qualifier Description |
|-----------|--|
| 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 D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

Job ID: 880-11739-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-11739-1

Receipt

The samples were received on 2/25/2022 2:58 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 5.4°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-20669 and analytical batch 880-20859 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

Method TX_1005: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20369 and analytical batch 880-20378 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.

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 D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

Client Sample ID: BH 02

Lab Sample ID: 880-11739-1

Date Collected: 02/24/22 11:15

Matrix: Solid

Date Received: 02/25/22 14:58

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 16:08 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 16:08 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 16:08 | 1 |
| m-Xylene & p-Xylene | <0.00403 | U | 0.00403 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 16:08 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 16:08 | 1 |
| Xylenes, Total | <0.00403 | U | 0.00403 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 16:08 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 16:08 | 1 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 16:08 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00403 | U | 0.00403 | | mg/Kg | | | 03/04/22 16:35 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U F1 | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/26/22 22:54 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/26/22 22:54 | 1 |
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/26/22 22:54 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <50.0 | U | 50.0 | | mg/Kg | | | 02/28/22 13:31 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 105 | | 70 - 130 | 02/25/22 17:26 | 02/26/22 22:54 | 1 |
| o-Terphenyl (Surr) | 101 | | 70 - 130 | 02/25/22 17:26 | 02/26/22 22:54 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 2150 | | 49.5 | | mg/Kg | | | 03/03/22 13:48 | 10 |

Client Sample ID: BH 02 C

Lab Sample ID: 880-11739-2

Date Collected: 02/24/22 11:33

Matrix: Solid

Date Received: 02/25/22 14:58

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 16:29 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 16:29 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 16:29 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 16:29 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 16:29 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 16:29 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 110 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 16:29 | 1 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 16:29 | 1 |

Eurofins Midland

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

Client Sample ID: BH 02 C

Lab Sample ID: 880-11739-2

Date Collected: 02/24/22 11:33

Matrix: Solid

Date Received: 02/25/22 14:58

Sample Depth: 4'

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/04/22 16:35 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/26/22 10:55 | 02/26/22 22:54 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/26/22 10:55 | 02/26/22 22:54 | 1 |
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/26/22 10:55 | 02/26/22 22:54 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <50.0 | U | 50.0 | | mg/Kg | | | 02/28/22 13:31 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane (Surr) | 70 | | 70 - 130 | | | | 02/26/22 10:55 | 02/26/22 22:54 | 1 |
| o-Terphenyl (Surr) | 76 | | 70 - 130 | | | | 02/26/22 10:55 | 02/26/22 22:54 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 31.0 | | 4.99 | | mg/Kg | | | 02/26/22 18:14 | 1 |

Surrogate Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-11739-1 | BH 02 | 108 | 101 |
| 880-11739-2 | BH 02 C | 110 | 105 |
| 880-11740-A-1-I MS | Matrix Spike | 80 | 101 |
| 880-11740-A-1-J MSD | Matrix Spike Duplicate | 105 | 100 |
| LCS 880-20669/1-A | Lab Control Sample | 94 | 100 |
| LCSD 880-20669/2-A | Lab Control Sample Dup | 96 | 101 |
| MB 880-20669/5-A | Method Blank | 97 | 100 |
| Surrogate Legend | | | |
| BFB = 4-Bromofluorobenzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenzene (Surr) | | | |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------|------------------------|--|------------------|
| Lab Sample ID | Client Sample ID | 1CO (70-130) | OTPH (70-130) |
| 880-11739-1 | BH 02 | 105 | 101 |
| 880-11739-1 MS | BH 02 | 106 | 90 |
| 880-11739-1 MSD | BH 02 | 107 | 100 |
| 880-11739-2 | BH 02 C | 70 | 76 |
| 880-11739-2 MS | BH 02 C | 82 | 74 |
| 880-11739-2 MSD | BH 02 C | 81 | 72 |
| LCS 880-20369/2-A | Lab Control Sample | 104 | 103 |
| LCS 880-20381/2-A | Lab Control Sample | 96 | 90 |
| LCSD 880-20369/3-A | Lab Control Sample Dup | 128 | 114 |
| LCSD 880-20381/3-A | Lab Control Sample Dup | 86 | 82 |
| MB 880-20369/1-A | Method Blank | 115 | 119 |
| MB 880-20381/1-A | Method Blank | 73 | 74 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane (Surr) | | | |
| OTPH = o-Terphenyl (Surr) | | | |

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20669/5-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 12:56 | 1 |

Lab Sample ID: LCS 880-20669/1-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene | 0.100 | 0.1051 | | mg/Kg | | 105 | 70 - 130 |
| Toluene | 0.100 | 0.09641 | | mg/Kg | | 96 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09532 | | mg/Kg | | 95 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2204 | | mg/Kg | | 110 | 70 - 130 |
| o-Xylene | 0.100 | 0.1072 | | mg/Kg | | 107 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 94 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 |

Lab Sample ID: LCSD 880-20669/2-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene | 0.100 | 0.1089 | | mg/Kg | | 109 | 70 - 130 | 4 | 35 |
| Toluene | 0.100 | 0.09986 | | mg/Kg | | 100 | 70 - 130 | 4 | 35 |
| Ethylbenzene | 0.100 | 0.09805 | | mg/Kg | | 98 | 70 - 130 | 3 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2269 | | mg/Kg | | 113 | 70 - 130 | 3 | 35 |
| o-Xylene | 0.100 | 0.1112 | | mg/Kg | | 111 | 70 - 130 | 4 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: 880-11740-A-1-I MS

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene | <0.00199 | U | 0.101 | 0.07143 | | mg/Kg | | 71 | 70 - 130 |
| Toluene | <0.00199 | U F2 F1 | 0.101 | 0.06327 | F1 | mg/Kg | | 62 | 70 - 130 |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

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

Lab Sample ID: 880-11740-A-1-I MS

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Ethylbenzene | <0.00199 | U F1 | 0.101 | 0.06285 | F1 | mg/Kg | | 62 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.202 | 0.1445 | | mg/Kg | | 72 | 70 - 130 |
| o-Xylene | <0.00199 | U | 0.101 | 0.07131 | | mg/Kg | | 71 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 80 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: 880-11740-A-1-J MSD

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene | <0.00199 | U | 0.0998 | 0.1001 | | mg/Kg | | 100 | 70 - 130 | 33 | 35 |
| Toluene | <0.00199 | U F2 F1 | 0.0998 | 0.09162 | F2 | mg/Kg | | 91 | 70 - 130 | 37 | 35 |
| Ethylbenzene | <0.00199 | U F1 | 0.0998 | 0.08914 | | mg/Kg | | 89 | 70 - 130 | 35 | 35 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.200 | 0.2065 | | mg/Kg | | 103 | 70 - 130 | 35 | 35 |
| o-Xylene | <0.00199 | U | 0.0998 | 0.1009 | | mg/Kg | | 101 | 70 - 130 | 34 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 880-20369/1-A

Matrix: Solid

Analysis Batch: 20378

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20369

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/26/22 21:46 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/26/22 21:46 | 1 |
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/26/22 21:46 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 115 | | 70 - 130 | 02/25/22 17:26 | 02/26/22 21:46 | 1 |
| o-Terphenyl (Surr) | 119 | | 70 - 130 | 02/25/22 17:26 | 02/26/22 21:46 | 1 |

Lab Sample ID: LCS 880-20369/2-A

Matrix: Solid

Analysis Batch: 20378

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20369

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|-------|---|------|--------------|
| C6-C12 Range Hydrocarbons | 1000 | 929.2 | | mg/Kg | | 93 | 75 - 125 |
| >C12-C28 Range Hydrocarbons | 1000 | 1165 | | mg/Kg | | 117 | 75 - 125 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------|---------------|---------------|----------|
| 1-Chlorooctane (Surr) | 104 | | 70 - 130 |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: LCS 880-20369/2-A

Matrix: Solid

Analysis Batch: 20378

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20369

| | LCS | LCS | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| <i>o</i> -Terphenyl (Surr) | 103 | | 70 - 130 |

Lab Sample ID: LCSD 880-20369/3-A

Matrix: Solid

Analysis Batch: 20378

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20369

| | | | Spike | LCSD | LCSD | | | | %Rec. | RPD | |
|-----------------------------|--|--|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| C6-C12 Range Hydrocarbons | | | 1000 | 924.7 | | mg/Kg | | 92 | 75 - 125 | 0 | 25 |
| >C12-C28 Range Hydrocarbons | | | 1000 | 961.9 | | mg/Kg | | 96 | 75 - 125 | 19 | 25 |

| | LCSD | LCSD | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane (Surr) | 128 | | 70 - 130 |
| <i>o</i> -Terphenyl (Surr) | 114 | | 70 - 130 |

Lab Sample ID: 880-11739-1 MS

Matrix: Solid

Analysis Batch: 20378

Client Sample ID: BH 02

Prep Type: Total/NA

Prep Batch: 20369

| | Sample | Sample | Spike | MS | MS | | | | %Rec. | | |
|-----------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|--|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| C6-C12 Range Hydrocarbons | <50.0 | U F1 | 998 | 1308 | F1 | mg/Kg | | 131 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 998 | 1073 | | mg/Kg | | 108 | 75 - 125 | | |

| | MS | MS | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane (Surr) | 106 | | 70 - 130 |
| <i>o</i> -Terphenyl (Surr) | 90 | | 70 - 130 |

Lab Sample ID: 880-11739-1 MSD

Matrix: Solid

Analysis Batch: 20378

Client Sample ID: BH 02

Prep Type: Total/NA

Prep Batch: 20369

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec. | | RPD |
|-----------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| C6-C12 Range Hydrocarbons | <50.0 | U F1 | 997 | 1115 | | mg/Kg | | 112 | 75 - 125 | 16 | 25 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 997 | 1175 | | mg/Kg | | 118 | 75 - 125 | 9 | 25 |

| | MSD | MSD | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane (Surr) | 107 | | 70 - 130 |
| <i>o</i> -Terphenyl (Surr) | 100 | | 70 - 130 |

Lab Sample ID: MB 880-20381/1-A

Matrix: Solid

Analysis Batch: 20380

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20381

| | MB | MB | | | | | | | |
|-----------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/26/22 10:55 | 02/26/22 21:46 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/26/22 10:55 | 02/26/22 21:46 | 1 |
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/26/22 10:55 | 02/26/22 21:46 | 1 |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: MB 880-20381/1-A

Matrix: Solid

Analysis Batch: 20380

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20381

| | MB | MB | | | | |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane (Surr) | 73 | | 70 - 130 | 02/26/22 10:55 | 02/26/22 21:46 | 1 |
| o-Terphenyl (Surr) | 74 | | 70 - 130 | 02/26/22 10:55 | 02/26/22 21:46 | 1 |

Lab Sample ID: LCS 880-20381/2-A

Matrix: Solid

Analysis Batch: 20380

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20381

| | | Spike | LCS | LCS | | | | | %Rec. | |
|-----------------------------|--|-------|--------|-----------|-------|---|------|----------|-------|--|
| Analyte | | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| C6-C12 Range Hydrocarbons | | 1000 | 1132 | | mg/Kg | | 113 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | | 1000 | 898.7 | | mg/Kg | | 90 | 75 - 125 | | |

| | LCS | LCS | | |
|-----------------------|-----------|-----------|----------|--|
| Surrogate | %Recovery | Qualifier | Limits | |
| 1-Chlorooctane (Surr) | 96 | | 70 - 130 | |
| o-Terphenyl (Surr) | 90 | | 70 - 130 | |

Lab Sample ID: LCSD 880-20381/3-A

Matrix: Solid

Analysis Batch: 20380

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20381

| | | Spike | LCSD | LCSD | | | | | %Rec. | | RPD | |
|-----------------------------|--|-------|--------|-----------|-------|---|------|----------|-------|-------|-----|--|
| Analyte | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit | | |
| C6-C12 Range Hydrocarbons | | 1000 | 1016 | | mg/Kg | | 102 | 75 - 125 | 11 | 25 | | |
| >C12-C28 Range Hydrocarbons | | 1000 | 791.5 | | mg/Kg | | 79 | 75 - 125 | 13 | 25 | | |

| | LCSD | LCSD | | |
|-----------------------|-----------|-----------|----------|--|
| Surrogate | %Recovery | Qualifier | Limits | |
| 1-Chlorooctane (Surr) | 86 | | 70 - 130 | |
| o-Terphenyl (Surr) | 82 | | 70 - 130 | |

Lab Sample ID: 880-11739-2 MS

Matrix: Solid

Analysis Batch: 20380

Client Sample ID: BH 02 C

Prep Type: Total/NA

Prep Batch: 20381

| | MS | MS | | |
|-----------------------|-----------|-----------|----------|--|
| Surrogate | %Recovery | Qualifier | Limits | |
| 1-Chlorooctane (Surr) | 82 | | 70 - 130 | |
| o-Terphenyl (Surr) | 74 | | 70 - 130 | |

Lab Sample ID: 880-11739-2 MSD

Matrix: Solid

Analysis Batch: 20380

Client Sample ID: BH 02 C

Prep Type: Total/NA

Prep Batch: 20381

| | MSD | MSD | | |
|-----------------------|-----------|-----------|----------|--|
| Surrogate | %Recovery | Qualifier | Limits | |
| 1-Chlorooctane (Surr) | 81 | | 70 - 130 | |
| o-Terphenyl (Surr) | 72 | | 70 - 130 | |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20319/1-A

Matrix: Solid

Analysis Batch: 20365

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 02/25/22 16:45 | 1 |

Lab Sample ID: LCS 880-20319/2-A

Matrix: Solid

Analysis Batch: 20365

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-20319/3-A

Matrix: Solid

Analysis Batch: 20365

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 | 251.2 | | mg/Kg | | 100 | 90 - 110 | 0 | 20 |

Lab Sample ID: 880-11731-A-9-F MS

Matrix: Solid

Analysis Batch: 20365

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| Chloride | 28.3 | | 248 | 290.7 | | mg/Kg | | 106 | 90 - 110 |

Lab Sample ID: 880-11731-A-9-G MSD

Matrix: Solid

Analysis Batch: 20365

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 28.3 | | 248 | 285.7 | | mg/Kg | | 104 | 90 - 110 | 2 | 20 |

Lab Sample ID: MB 880-20419/1-A

Matrix: Solid

Analysis Batch: 20698

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------------|-----------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 03/03/22 11:44 | 1 |

Lab Sample ID: LCS 880-20419/2-A

Matrix: Solid

Analysis Batch: 20698

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|----------------|---------------|------------------|-------|---|------|-----------------|
| Chloride | 250 | 253.6 | | mg/Kg | | 101 | 90 - 110 |

Lab Sample ID: LCSD 880-20419/3-A

Matrix: Solid

Analysis Batch: 20698

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|----------------|----------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 250 | 253.5 | | mg/Kg | | 101 | 90 - 110 | 0 | 20 |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

Method: 300.0 - Anions, Ion Chromatography

| | | | | | | | | | | | | | |
|-----------------------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|--------------------------------|--|--|--|
| Lab Sample ID: 880-11740-A-3-D MS | | | | | | | | | | Client Sample ID: Matrix Spike | | | |
| Matrix: Solid | | | | | | | | | | Prep Type: Soluble | | | |
| Analysis Batch: 20698 | | | | | | | | | | | | | |
| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | | | |
| Chloride | 450 | | 1260 | 1793 | | mg/Kg | | 106 | 90 - 110 | | | | |

| | | | | | | | | | | | | | |
|------------------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|--|-----------|--|--|
| Lab Sample ID: 880-11740-A-3-E MSD | | | | | | | | | | Client Sample ID: Matrix Spike Duplicate | | | |
| Matrix: Solid | | | | | | | | | | Prep Type: Soluble | | | |
| Analysis Batch: 20698 | | | | | | | | | | | | | |
| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit | | |
| Chloride | 450 | | 1260 | 1789 | | mg/Kg | | 106 | 90 - 110 | 0 | 20 | | |

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

GC VOA

Prep Batch: 20669

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-11739-1 | BH 02 | Total/NA | Solid | 5035 | |
| 880-11739-2 | BH 02 C | Total/NA | Solid | 5035 | |
| MB 880-20669/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-20669/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-20669/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-11740-A-1-I MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-11740-A-1-J MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 20859

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-11739-1 | BH 02 | Total/NA | Solid | 8021B | 20669 |
| 880-11739-2 | BH 02 C | Total/NA | Solid | 8021B | 20669 |
| MB 880-20669/5-A | Method Blank | Total/NA | Solid | 8021B | 20669 |
| LCS 880-20669/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 20669 |
| LCSD 880-20669/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 20669 |
| 880-11740-A-1-I MS | Matrix Spike | Total/NA | Solid | 8021B | 20669 |
| 880-11740-A-1-J MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 20669 |

Analysis Batch: 20939

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-11739-1 | BH 02 | Total/NA | Solid | Total BTEX | |
| 880-11739-2 | BH 02 C | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 20369

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------------------|------------|
| 880-11739-1 | BH 02 | Total/NA | Solid | TX_1005_S_Pre p | |
| MB 880-20369/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Pre p | |
| LCS 880-20369/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Pre p | |
| LCSD 880-20369/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11739-1 MS | BH 02 | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11739-1 MSD | BH 02 | Total/NA | Solid | TX_1005_S_Pre p | |

Analysis Batch: 20378

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|---------|------------|
| 880-11739-1 | BH 02 | Total/NA | Solid | TX 1005 | 20369 |
| MB 880-20369/1-A | Method Blank | Total/NA | Solid | TX 1005 | 20369 |
| LCS 880-20369/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 20369 |
| LCSD 880-20369/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 20369 |
| 880-11739-1 MS | BH 02 | Total/NA | Solid | TX 1005 | 20369 |
| 880-11739-1 MSD | BH 02 | Total/NA | Solid | TX 1005 | 20369 |

Analysis Batch: 20380

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|---------|------------|
| 880-11739-2 | BH 02 C | Total/NA | Solid | TX 1005 | 20381 |
| MB 880-20381/1-A | Method Blank | Total/NA | Solid | TX 1005 | 20381 |

Eurofins Midland

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

GC Semi VOA (Continued)

Analysis Batch: 20380 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|---------|------------|
| LCS 880-20381/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 20381 |
| LCSD 880-20381/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 20381 |
| 880-11739-2 MS | BH 02 C | Total/NA | Solid | TX 1005 | 20381 |
| 880-11739-2 MSD | BH 02 C | Total/NA | Solid | TX 1005 | 20381 |

Prep Batch: 20381

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------------------|------------|
| 880-11739-2 | BH 02 C | Total/NA | Solid | TX_1005_S_Pre p | |
| MB 880-20381/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Pre p | |
| LCS 880-20381/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Pre p | |
| LCSD 880-20381/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11739-2 MS | BH 02 C | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11739-2 MSD | BH 02 C | Total/NA | Solid | TX_1005_S_Pre p | |

Analysis Batch: 20510

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-11739-1 | BH 02 | Total/NA | Solid | TX 1005 | |
| 880-11739-2 | BH 02 C | Total/NA | Solid | TX 1005 | |

HPLC/IC

Leach Batch: 20319

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-11739-2 | BH 02 C | Soluble | Solid | DI Leach | |
| MB 880-20319/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-20319/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-20319/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-11731-A-9-F MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-11731-A-9-G MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 20365

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-11739-2 | BH 02 C | Soluble | Solid | 300.0 | 20319 |
| MB 880-20319/1-A | Method Blank | Soluble | Solid | 300.0 | 20319 |
| LCS 880-20319/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 20319 |
| LCSD 880-20319/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 20319 |
| 880-11731-A-9-F MS | Matrix Spike | Soluble | Solid | 300.0 | 20319 |
| 880-11731-A-9-G MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 20319 |

Leach Batch: 20419

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-11739-1 | BH 02 | Soluble | Solid | DI Leach | |
| MB 880-20419/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-20419/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-20419/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-11740-A-3-D MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-11740-A-3-E MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Eurofins Midland

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

HPLC/IC

Analysis Batch: 20698

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-11739-1 | BH 02 | Soluble | Solid | 300.0 | 20419 |
| MB 880-20419/1-A | Method Blank | Soluble | Solid | 300.0 | 20419 |
| LCS 880-20419/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 20419 |
| LCSD 880-20419/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 20419 |
| 880-11740-A-3-D MS | Matrix Spike | Soluble | Solid | 300.0 | 20419 |
| 880-11740-A-3-E MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 20419 |

Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

Client Sample ID: BH 02

Lab Sample ID: 880-11739-1

Date Collected: 02/24/22 11:15

Matrix: Solid

Date Received: 02/25/22 14:58

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 4.96 g | 5 mL | 20669 | 03/04/22 07:30 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 20859 | 03/04/22 16:08 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 20939 | 03/04/22 16:35 | AJ | XEN MID |
| Total/NA | Prep | TX_1005_S_Prep | | | 10.01 g | 10 mL | 20369 | 02/25/22 17:26 | DM | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20378 | 02/26/22 22:54 | AJ | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20510 | 02/28/22 13:31 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5.05 g | 50 mL | 20419 | 02/28/22 09:23 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 10 | | | 20698 | 03/03/22 13:48 | CH | XEN MID |

Client Sample ID: BH 02 C

Lab Sample ID: 880-11739-2

Date Collected: 02/24/22 11:33

Matrix: Solid

Date Received: 02/25/22 14:58

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 20669 | 03/04/22 07:30 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 20859 | 03/04/22 16:29 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 20939 | 03/04/22 16:35 | AJ | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20510 | 02/28/22 13:31 | AJ | XEN MID |
| Total/NA | Prep | TX_1005_S_Prep | | | 10.01 g | 10 mL | 20381 | 02/26/22 10:55 | AM | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20380 | 02/26/22 22:54 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 20319 | 02/25/22 16:25 | SC | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | | | 20365 | 02/26/22 18:14 | CH | XEN MID |

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400-21-22 | 06-30-22 |

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 |
|-----------------|-------------|--------|------------|
| Total BTEX | | Solid | Total BTEX |

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

Method Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11739-1
SDG: 32.37988,-103.88687

| Method | Method Description | Protocol | Laboratory |
|----------------|---|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | XEN MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | XEN MID |
| TX 1005 | Texas - Total Petroleum Hydrocarbon (GC) | TCEQ | XEN MID |
| 300.0 | Anions, Ion Chromatography | MCAWW | XEN MID |
| 5035 | Closed System Purge and Trap | SW846 | XEN MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | XEN MID |
| TX_1005_S_Prep | Extraction - Texas Total petroleum Hyrdocarbons | TCEQ | 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.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

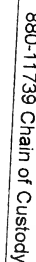
Job ID: 880-11739-1
SDG: 32.37988,-103.88687

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-11739-1 | BH 02 | Solid | 02/24/22 11:15 | 02/25/22 14:58 | 1' |
| 880-11739-2 | BH 02 C | Solid | 02/24/22 11:33 | 02/25/22 14:58 | 4' |

- 1
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- 12
- 13
- 14



Work



www.xenco.com Page 1 of 1

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 880-11739-1

SDG Number: 32.37988,-103.88687

Login Number: 11739

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-11740-1

Laboratory Sample Delivery Group: 32.37988,-103.88687

Client Project/Site: JRU D1 1

For:

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

Attn: Tacoma Morrissey

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

Authorized for release by:
3/4/2022 4:02:38 PM

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

LINKS

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

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

Client: WSP USA Inc.
Project/Site: JRU D1 1

Laboratory Job ID: 880-11740-1
SDG: 32.37988,-103.88687

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

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

HPLC/IC

| Qualifier | Qualifier Description |
|-----------|--|
| 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 D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

Job ID: 880-11740-1

Laboratory: Eurofins Midland**Narrative**

**Job Narrative
880-11740-1****Receipt**

The samples were received on 2/25/2022 2:58 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 5.4°C

GC VOA

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

GC Semi VOA

Method TX_1005: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-20369 and analytical batch 880-20378 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.

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 D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

Client Sample ID: BH 03 A

Lab Sample ID: 880-11740-1

Date Collected: 02/24/22 14:30

Matrix: Solid

Date Received: 02/25/22 14:58

Sample Depth: 2'

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 13:25 | 1 |
| Toluene | <0.00199 | U F2 F1 | 0.00199 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 13:25 | 1 |
| Ethylbenzene | <0.00199 | U F1 | 0.00199 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 13:25 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 13:25 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 13:25 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 13:25 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 13:25 | 1 |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 13:25 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/04/22 16:35 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/27/22 02:39 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/27/22 02:39 | 1 |
| >C28-C35 Range Hydrocarbons | 62.2 | | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/27/22 02:39 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | 62.2 | | 50.0 | | mg/Kg | | | 02/28/22 13:31 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 104 | | 70 - 130 | 02/25/22 17:26 | 02/27/22 02:39 | 1 |
| o-Terphenyl (Surr) | 102 | | 70 - 130 | 02/25/22 17:26 | 02/27/22 02:39 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|-----|-----|-------|---|----------|----------------|---------|
| Chloride | 11400 | | 250 | | mg/Kg | | | 03/03/22 13:57 | 50 |

Client Sample ID: BH 03 C

Lab Sample ID: 880-11740-2

Date Collected: 02/24/22 14:33

Matrix: Solid

Date Received: 02/25/22 14:58

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 13:45 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 13:45 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 13:45 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 13:45 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 13:45 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 13:45 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 13:45 | 1 |
| 1,4-Difluorobenzene (Surr) | 105 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 13:45 | 1 |

Eurofins Midland

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

Client Sample ID: BH 03 C

Lab Sample ID: 880-11740-2

Date Collected: 02/24/22 14:33

Matrix: Solid

Date Received: 02/25/22 14:58

Sample Depth: 4'

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/04/22 16:35 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/27/22 03:20 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/27/22 03:20 | 1 |
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/27/22 03:20 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <50.0 | U | 50.0 | | mg/Kg | | | 02/28/22 13:31 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane (Surr) | 99 | | 70 - 130 | | | | 02/25/22 17:26 | 02/27/22 03:20 | 1 |
| o-Terphenyl (Surr) | 99 | | 70 - 130 | | | | 02/25/22 17:26 | 02/27/22 03:20 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 1950 | | 24.9 | | mg/Kg | | | 03/04/22 09:44 | 5 |

Client Sample ID: BH 03 E

Lab Sample ID: 880-11740-3

Date Collected: 02/24/22 15:15

Matrix: Solid

Date Received: 02/25/22 14:58

Sample Depth: 8'

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 14:06 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 14:06 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 14:06 | 1 |
| m-Xylene & p-Xylene | <0.00399 | U | 0.00399 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 14:06 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 14:06 | 1 |
| Xylenes, Total | <0.00399 | U | 0.00399 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 14:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 | | | | 03/04/22 07:30 | 03/04/22 14:06 | 1 |
| 1,4-Difluorobenzene (Surr) | 103 | | 70 - 130 | | | | 03/04/22 07:30 | 03/04/22 14:06 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00399 | U | 0.00399 | | mg/Kg | | | 03/04/22 16:35 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/27/22 03:41 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/27/22 03:41 | 1 |
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/27/22 03:41 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <50.0 | U | 50.0 | | mg/Kg | | | 02/28/22 13:31 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane (Surr) | 99 | | 70 - 130 | | | | 02/25/22 17:26 | 02/27/22 03:41 | 1 |
| o-Terphenyl (Surr) | 96 | | 70 - 130 | | | | 02/25/22 17:26 | 02/27/22 03:41 | 1 |

Eurofins Midland

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

Client Sample ID: BH 03 E
Date Collected: 02/24/22 15:15
Date Received: 02/25/22 14:58
Sample Depth: 8'

Lab Sample ID: 880-11740-3
Matrix: Solid

| Method: 300.0 - Anions, Ion Chromatography - Soluble | | | | | | | | | |
|--|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | 450 | | 25.3 | | mg/Kg | | | 03/03/22 14:15 | 5 |

Surrogate Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-11740-1 | BH 03 A | 108 | 104 |
| 880-11740-1 MS | BH 03 A | 80 | 101 |
| 880-11740-1 MSD | BH 03 A | 105 | 100 |
| 880-11740-2 | BH 03 C | 106 | 105 |
| 880-11740-3 | BH 03 E | 105 | 103 |
| LCS 880-20669/1-A | Lab Control Sample | 94 | 100 |
| LCSD 880-20669/2-A | Lab Control Sample Dup | 96 | 101 |
| MB 880-20669/5-A | Method Blank | 97 | 100 |
| Surrogate Legend | | | |
| BFB = 4-Bromofluorobenzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenzene (Surr) | | | |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------|------------------------|--|------------------|
| Lab Sample ID | Client Sample ID | 1CO (70-130) | OTPH (70-130) |
| 880-11739-A-1-B MS | Matrix Spike | 106 | 90 |
| 880-11739-A-1-C MSD | Matrix Spike Duplicate | 107 | 100 |
| 880-11740-1 | BH 03 A | 104 | 102 |
| 880-11740-2 | BH 03 C | 99 | 99 |
| 880-11740-3 | BH 03 E | 99 | 96 |
| LCS 880-20369/2-A | Lab Control Sample | 104 | 103 |
| LCSD 880-20369/3-A | Lab Control Sample Dup | 128 | 114 |
| MB 880-20369/1-A | Method Blank | 115 | 119 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane (Surr) | | | |
| OTPH = o-Terphenyl (Surr) | | | |

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20669/5-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 12:56 | 1 |

Lab Sample ID: LCS 880-20669/1-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene | 0.100 | 0.1051 | | mg/Kg | | 105 | 70 - 130 |
| Toluene | 0.100 | 0.09641 | | mg/Kg | | 96 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09532 | | mg/Kg | | 95 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2204 | | mg/Kg | | 110 | 70 - 130 |
| o-Xylene | 0.100 | 0.1072 | | mg/Kg | | 107 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 94 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 |

Lab Sample ID: LCSD 880-20669/2-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-------|
| Benzene | 0.100 | 0.1089 | | mg/Kg | | 109 | 70 - 130 | 4 | 35 |
| Toluene | 0.100 | 0.09986 | | mg/Kg | | 100 | 70 - 130 | 4 | 35 |
| Ethylbenzene | 0.100 | 0.09805 | | mg/Kg | | 98 | 70 - 130 | 3 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2269 | | mg/Kg | | 113 | 70 - 130 | 3 | 35 |
| o-Xylene | 0.100 | 0.1112 | | mg/Kg | | 111 | 70 - 130 | 4 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: 880-11740-1 MS

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: BH 03 A

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene | <0.00199 | U | 0.101 | 0.07143 | | mg/Kg | | 71 | 70 - 130 |
| Toluene | <0.00199 | U F2 F1 | 0.101 | 0.06327 | F1 | mg/Kg | | 62 | 70 - 130 |

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QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

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

Lab Sample ID: 880-11740-1 MS

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: BH 03 A

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Ethylbenzene | <0.00199 | U F1 | 0.101 | 0.06285 | F1 | mg/Kg | | 62 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.202 | 0.1445 | | mg/Kg | | 72 | 70 - 130 |
| o-Xylene | <0.00199 | U | 0.101 | 0.07131 | | mg/Kg | | 71 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 80 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: 880-11740-1 MSD

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: BH 03 A

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene | <0.00199 | U | 0.0998 | 0.1001 | | mg/Kg | | 100 | 70 - 130 | 33 | 35 |
| Toluene | <0.00199 | U F2 F1 | 0.0998 | 0.09162 | F2 | mg/Kg | | 91 | 70 - 130 | 37 | 35 |
| Ethylbenzene | <0.00199 | U F1 | 0.0998 | 0.08914 | | mg/Kg | | 89 | 70 - 130 | 35 | 35 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.200 | 0.2065 | | mg/Kg | | 103 | 70 - 130 | 35 | 35 |
| o-Xylene | <0.00199 | U | 0.0998 | 0.1009 | | mg/Kg | | 101 | 70 - 130 | 34 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 880-20369/1-A

Matrix: Solid

Analysis Batch: 20378

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20369

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/26/22 21:46 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/26/22 21:46 | 1 |
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/25/22 17:26 | 02/26/22 21:46 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 115 | | 70 - 130 | 02/25/22 17:26 | 02/26/22 21:46 | 1 |
| o-Terphenyl (Surr) | 119 | | 70 - 130 | 02/25/22 17:26 | 02/26/22 21:46 | 1 |

Lab Sample ID: LCS 880-20369/2-A

Matrix: Solid

Analysis Batch: 20378

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20369

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|-------|---|------|--------------|
| C6-C12 Range Hydrocarbons | 1000 | 929.2 | | mg/Kg | | 93 | 75 - 125 |
| >C12-C28 Range Hydrocarbons | 1000 | 1165 | | mg/Kg | | 117 | 75 - 125 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------|---------------|---------------|----------|
| 1-Chlorooctane (Surr) | 104 | | 70 - 130 |

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QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: LCS 880-20369/2-A

Matrix: Solid

Analysis Batch: 20378

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20369

| | LCS | LCS | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| <i>o</i> -Terphenyl (Surr) | 103 | | 70 - 130 |

Lab Sample ID: LCSD 880-20369/3-A

Matrix: Solid

Analysis Batch: 20378

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20369

| | | | Spike | LCSD | LCSD | | | | %Rec. | RPD | |
|-----------------------------|--|--|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| C6-C12 Range Hydrocarbons | | | 1000 | 924.7 | | mg/Kg | | 92 | 75 - 125 | 0 | 25 |
| >C12-C28 Range Hydrocarbons | | | 1000 | 961.9 | | mg/Kg | | 96 | 75 - 125 | 19 | 25 |

| | LCSD | LCSD | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane (Surr) | 128 | | 70 - 130 |
| <i>o</i> -Terphenyl (Surr) | 114 | | 70 - 130 |

Lab Sample ID: 880-11739-A-1-B MS

Matrix: Solid

Analysis Batch: 20378

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20369

| | Sample | Sample | Spike | MS | MS | | | | %Rec. | | |
|-----------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| C6-C12 Range Hydrocarbons | <50.0 | U F1 | 998 | 1308 | F1 | mg/Kg | | 131 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 998 | 1073 | | mg/Kg | | 108 | 75 - 125 | | |

| | MS | MS | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane (Surr) | 106 | | 70 - 130 |
| <i>o</i> -Terphenyl (Surr) | 90 | | 70 - 130 |

Lab Sample ID: 880-11739-A-1-C MSD

Matrix: Solid

Analysis Batch: 20378

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20369

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec. | | RPD |
|-----------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| C6-C12 Range Hydrocarbons | <50.0 | U F1 | 997 | 1115 | | mg/Kg | | 112 | 75 - 125 | 16 | 25 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 997 | 1175 | | mg/Kg | | 118 | 75 - 125 | 9 | 25 |

| | MSD | MSD | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane (Surr) | 107 | | 70 - 130 |
| <i>o</i> -Terphenyl (Surr) | 100 | | 70 - 130 |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20419/1-A

Matrix: Solid

Analysis Batch: 20698

Client Sample ID: Method Blank

Prep Type: Soluble

| | MB | MB | | | | | | | |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 03/03/22 11:44 | 1 |

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QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-20419/2-A
Matrix: Solid
Analysis Batch: 20698

Client Sample ID: Lab Control Sample
Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250 | 253.6 | | mg/Kg | | 101 | 90 - 110 |

Lab Sample ID: LCSD 880-20419/3-A
Matrix: Solid
Analysis Batch: 20698

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250 | 253.5 | | mg/Kg | | 101 | 90 - 110 | 0 | 20 |

Lab Sample ID: 880-11740-3 MS
Matrix: Solid
Analysis Batch: 20698

Client Sample ID: BH 03 E
Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 450 | | 1260 | 1793 | | mg/Kg | | 106 | 90 - 110 |

Lab Sample ID: 880-11740-3 MSD
Matrix: Solid
Analysis Batch: 20698

Client Sample ID: BH 03 E
Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 450 | | 1260 | 1789 | | mg/Kg | | 106 | 90 - 110 | 0 | 20 |

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

GC VOA

Prep Batch: 20669

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-11740-1 | BH 03 A | Total/NA | Solid | 5035 | |
| 880-11740-2 | BH 03 C | Total/NA | Solid | 5035 | |
| 880-11740-3 | BH 03 E | Total/NA | Solid | 5035 | |
| MB 880-20669/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-20669/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-20669/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-11740-1 MS | BH 03 A | Total/NA | Solid | 5035 | |
| 880-11740-1 MSD | BH 03 A | Total/NA | Solid | 5035 | |

Analysis Batch: 20859

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-11740-1 | BH 03 A | Total/NA | Solid | 8021B | 20669 |
| 880-11740-2 | BH 03 C | Total/NA | Solid | 8021B | 20669 |
| 880-11740-3 | BH 03 E | Total/NA | Solid | 8021B | 20669 |
| MB 880-20669/5-A | Method Blank | Total/NA | Solid | 8021B | 20669 |
| LCS 880-20669/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 20669 |
| LCSD 880-20669/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 20669 |
| 880-11740-1 MS | BH 03 A | Total/NA | Solid | 8021B | 20669 |
| 880-11740-1 MSD | BH 03 A | Total/NA | Solid | 8021B | 20669 |

Analysis Batch: 20937

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-11740-1 | BH 03 A | Total/NA | Solid | Total BTEX | |
| 880-11740-2 | BH 03 C | Total/NA | Solid | Total BTEX | |
| 880-11740-3 | BH 03 E | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 20369

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------------|------------|
| 880-11740-1 | BH 03 A | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11740-2 | BH 03 C | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11740-3 | BH 03 E | Total/NA | Solid | TX_1005_S_Pre p | |
| MB 880-20369/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Pre p | |
| LCS 880-20369/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Pre p | |
| LCSD 880-20369/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11739-A-1-B MS | Matrix Spike | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11739-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Solid | TX_1005_S_Pre p | |

Analysis Batch: 20378

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|---------|------------|
| 880-11740-1 | BH 03 A | Total/NA | Solid | TX 1005 | 20369 |
| 880-11740-2 | BH 03 C | Total/NA | Solid | TX 1005 | 20369 |
| 880-11740-3 | BH 03 E | Total/NA | Solid | TX 1005 | 20369 |
| MB 880-20369/1-A | Method Blank | Total/NA | Solid | TX 1005 | 20369 |

Eurofins Midland

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

GC Semi VOA (Continued)

Analysis Batch: 20378 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| LCS 880-20369/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 20369 |
| LCSD 880-20369/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 20369 |
| 880-11739-A-1-B MS | Matrix Spike | Total/NA | Solid | TX 1005 | 20369 |
| 880-11739-A-1-C MSD | Matrix Spike Duplicate | Total/NA | Solid | TX 1005 | 20369 |

Analysis Batch: 20513

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-11740-1 | BH 03 A | Total/NA | Solid | TX 1005 | |
| 880-11740-2 | BH 03 C | Total/NA | Solid | TX 1005 | |
| 880-11740-3 | BH 03 E | Total/NA | Solid | TX 1005 | |

HPLC/IC

Leach Batch: 20419

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|----------|------------|
| 880-11740-1 | BH 03 A | Soluble | Solid | DI Leach | |
| 880-11740-2 | BH 03 C | Soluble | Solid | DI Leach | |
| 880-11740-3 | BH 03 E | Soluble | Solid | DI Leach | |
| MB 880-20419/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-20419/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-20419/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-11740-3 MS | BH 03 E | Soluble | Solid | DI Leach | |
| 880-11740-3 MSD | BH 03 E | Soluble | Solid | DI Leach | |

Analysis Batch: 20698

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-11740-1 | BH 03 A | Soluble | Solid | 300.0 | 20419 |
| 880-11740-2 | BH 03 C | Soluble | Solid | 300.0 | 20419 |
| 880-11740-3 | BH 03 E | Soluble | Solid | 300.0 | 20419 |
| MB 880-20419/1-A | Method Blank | Soluble | Solid | 300.0 | 20419 |
| LCS 880-20419/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 20419 |
| LCSD 880-20419/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 20419 |
| 880-11740-3 MS | BH 03 E | Soluble | Solid | 300.0 | 20419 |
| 880-11740-3 MSD | BH 03 E | Soluble | Solid | 300.0 | 20419 |

Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

Client Sample ID: BH 03 A

Lab Sample ID: 880-11740-1

Date Collected: 02/24/22 14:30

Matrix: Solid

Date Received: 02/25/22 14:58

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 20669 | 03/04/22 07:30 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 20859 | 03/04/22 13:25 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 20937 | 03/04/22 16:35 | AJ | XEN MID |
| Total/NA | Prep | TX_1005_S_Prep | | | 10.01 g | 10 mL | 20369 | 02/25/22 17:26 | DM | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20378 | 02/27/22 02:39 | AJ | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20513 | 02/28/22 13:31 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 20419 | 02/28/22 09:23 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 50 | | | 20698 | 03/03/22 13:57 | CH | XEN MID |

Client Sample ID: BH 03 C

Lab Sample ID: 880-11740-2

Date Collected: 02/24/22 14:33

Matrix: Solid

Date Received: 02/25/22 14:58

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 20669 | 03/04/22 07:30 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 20859 | 03/04/22 13:45 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 20937 | 03/04/22 16:35 | AJ | XEN MID |
| Total/NA | Prep | TX_1005_S_Prep | | | 10.00 g | 10 mL | 20369 | 02/25/22 17:26 | DM | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20378 | 02/27/22 03:20 | AJ | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20513 | 02/28/22 13:31 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 20419 | 02/28/22 09:23 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 5 | | | 20698 | 03/04/22 09:44 | CH | XEN MID |

Client Sample ID: BH 03 E

Lab Sample ID: 880-11740-3

Date Collected: 02/24/22 15:15

Matrix: Solid

Date Received: 02/25/22 14:58

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.01 g | 5 mL | 20669 | 03/04/22 07:30 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 20859 | 03/04/22 14:06 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 20937 | 03/04/22 16:35 | AJ | XEN MID |
| Total/NA | Prep | TX_1005_S_Prep | | | 10.00 g | 10 mL | 20369 | 02/25/22 17:26 | DM | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20378 | 02/27/22 03:41 | AJ | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20513 | 02/28/22 13:31 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 4.95 g | 50 mL | 20419 | 02/28/22 09:23 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 5 | | | 20698 | 03/03/22 14:15 | CH | XEN MID |

Laboratory References:

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

Eurofins Midland

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400-21-22 | 06-30-22 |

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 |
|-----------------|-------------|--------|------------|
| Total BTEX | | Solid | Total BTEX |

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

Method Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11740-1
SDG: 32.37988,-103.88687

| Method | Method Description | Protocol | Laboratory |
|----------------|---|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | XEN MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | XEN MID |
| TX 1005 | Texas - Total Petroleum Hydrocarbon (GC) | TCEQ | XEN MID |
| 300.0 | Anions, Ion Chromatography | MCAWW | XEN MID |
| 5035 | Closed System Purge and Trap | SW846 | XEN MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | XEN MID |
| TX_1005_S_Prep | Extraction - Texas Total petroleum Hyrdocarbons | TCEQ | 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.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

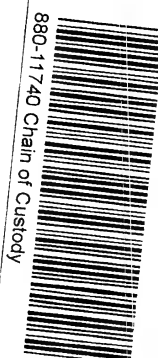
Job ID: 880-11740-1
SDG: 32.37988,-103.88687

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-11740-1 | BH 03 A | Solid | 02/24/22 14:30 | 02/25/22 14:58 | 2' |
| 880-11740-2 | BH 03 C | Solid | 02/24/22 14:33 | 02/25/22 14:58 | 4' |
| 880-11740-3 | BH 03 E | Solid | 02/24/22 15:15 | 02/25/22 14:58 | 8' |

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



Work On



Chain of Custody

Page _____ of _____

Page 19 of 20

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 880-11740-1

SDG Number: 32.37988,-103.88687

Login Number: 11740

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-11741-1

Laboratory Sample Delivery Group: 32.37988,-103.88687

Client Project/Site: JRU D1 1

For:

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

Attn: Tacoma Morrissey

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

Authorized for release by:
3/4/2022 1:17:32 PM

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

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

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

Client: WSP USA Inc.
Project/Site: JRU D1 1

Laboratory Job ID: 880-11741-1
SDG: 32.37988,-103.88687

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11741-1
SDG: 32.37988,-103.88687

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11741-1
SDG: 32.37988,-103.88687

Job ID: 880-11741-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-11741-1

Receipt

The samples were received on 2/25/2022 2:58 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 5.4°C

GC VOA

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

GC Semi VOA

Method TX_1005: Surrogate recovery for the following samples were outside control limits: BH 01 (880-11741-1) and BH 01 C (880-11741-2). Evidence of matrix interferences is not obvious.

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 D1 1

Job ID: 880-11741-1
SDG: 32.37988,-103.88687

Client Sample ID: BH 01

Lab Sample ID: 880-11741-1

Date Collected: 02/24/22 10:36

Matrix: Solid

Date Received: 02/25/22 14:58

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:52 | 1 |
| Toluene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:52 | 1 |
| Ethylbenzene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:52 | 1 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.00398 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:52 | 1 |
| o-Xylene | <0.00199 | U | 0.00199 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:52 | 1 |
| Xylenes, Total | <0.00398 | U | 0.00398 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:52 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 11:52 | 1 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 11:52 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00398 | U | 0.00398 | | mg/Kg | | | 03/04/22 14:07 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <49.9 | U | 49.9 | | mg/Kg | | 02/26/22 10:55 | 02/26/22 23:56 | 1 |
| >C12-C28 Range Hydrocarbons | <49.9 | U | 49.9 | | mg/Kg | | 02/26/22 10:55 | 02/26/22 23:56 | 1 |
| >C28-C35 Range Hydrocarbons | <49.9 | U | 49.9 | | mg/Kg | | 02/26/22 10:55 | 02/26/22 23:56 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <49.9 | U | 49.9 | | mg/Kg | | | 02/28/22 15:00 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 0 | S1- | 70 - 130 | 02/26/22 10:55 | 02/26/22 23:56 | 1 |
| o-Terphenyl (Surr) | 0 | S1- | 70 - 130 | 02/26/22 10:55 | 02/26/22 23:56 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 3110 | | 49.8 | | mg/Kg | | | 03/03/22 14:41 | 10 |

Client Sample ID: BH 01 C

Lab Sample ID: 880-11741-2

Date Collected: 02/24/22 10:50

Matrix: Solid

Date Received: 02/25/22 14:58

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 12:13 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 12:13 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 12:13 | 1 |
| m-Xylene & p-Xylene | <0.00401 | U | 0.00401 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 12:13 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 12:13 | 1 |
| Xylenes, Total | <0.00401 | U | 0.00401 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 12:13 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 103 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 12:13 | 1 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 12:13 | 1 |

Eurofins Midland

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11741-1
SDG: 32.37988,-103.88687

Client Sample ID: BH 01 C

Lab Sample ID: 880-11741-2

Date Collected: 02/24/22 10:50

Matrix: Solid

Date Received: 02/25/22 14:58

Sample Depth: 4'

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00401 | U | 0.00401 | | mg/Kg | | | 03/04/22 14:07 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/26/22 10:55 | 02/27/22 00:16 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/26/22 10:55 | 02/27/22 00:16 | 1 |
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/26/22 10:55 | 02/27/22 00:16 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <50.0 | U | 50.0 | | mg/Kg | | | 02/28/22 15:00 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane (Surr) | 0 | S1- | 70 - 130 | | | | 02/26/22 10:55 | 02/27/22 00:16 | 1 |
| o-Terphenyl (Surr) | 0 | S1- | 70 - 130 | | | | 02/26/22 10:55 | 02/27/22 00:16 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 195 | | 4.97 | | mg/Kg | | | 03/03/22 17:29 | 1 |

Surrogate Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11741-1
SDG: 32.37988,-103.88687

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-11741-1 | BH 01 | 109 | 102 |
| 880-11741-1 MS | BH 01 | 105 | 102 |
| 880-11741-1 MSD | BH 01 | 104 | 102 |
| 880-11741-2 | BH 01 C | 103 | 100 |
| LCS 880-20668/1-A | Lab Control Sample | 97 | 101 |
| LCSD 880-20668/2-A | Lab Control Sample Dup | 99 | 102 |
| MB 880-20668/5-A | Method Blank | 104 | 95 |
| Surrogate Legend | | | |
| BFB = 4-Bromofluorobenzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenzene (Surr) | | | |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------|------------------------|--|------------------|
| Lab Sample ID | Client Sample ID | 1CO (70-130) | OTPH (70-130) |
| 880-11739-A-2-C MS | Matrix Spike | 82 | 74 |
| 880-11739-A-2-D MSD | Matrix Spike Duplicate | 81 | 72 |
| 880-11741-1 | BH 01 | 0 S1- | 0 S1- |
| 880-11741-2 | BH 01 C | 0 S1- | 0 S1- |
| LCS 880-20381/2-A | Lab Control Sample | 96 | 90 |
| LCSD 880-20381/3-A | Lab Control Sample Dup | 86 | 82 |
| MB 880-20381/1-A | Method Blank | 73 | 74 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane (Surr) | | | |
| OTPH = o-Terphenyl (Surr) | | | |

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11741-1
SDG: 32.37988,-103.88687

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20668/5-A

Matrix: Solid

Analysis Batch: 20854

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20668

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:31 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:31 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:31 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:31 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:31 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/04/22 07:45 | 03/04/22 11:31 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 11:31 | 1 |
| 1,4-Difluorobenzene (Surr) | 95 | | 70 - 130 | 03/04/22 07:45 | 03/04/22 11:31 | 1 |

Lab Sample ID: LCS 880-20668/1-A

Matrix: Solid

Analysis Batch: 20854

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20668

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene | 0.100 | 0.1062 | | mg/Kg | | 106 | 70 - 130 |
| Toluene | 0.100 | 0.1031 | | mg/Kg | | 103 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09905 | | mg/Kg | | 99 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2035 | | mg/Kg | | 102 | 70 - 130 |
| o-Xylene | 0.100 | 0.09826 | | mg/Kg | | 98 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: LCSD 880-20668/2-A

Matrix: Solid

Analysis Batch: 20854

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20668

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-------|
| Benzene | 0.100 | 0.1116 | | mg/Kg | | 112 | 70 - 130 | 5 | 35 |
| Toluene | 0.100 | 0.1082 | | mg/Kg | | 108 | 70 - 130 | 5 | 35 |
| Ethylbenzene | 0.100 | 0.1035 | | mg/Kg | | 104 | 70 - 130 | 4 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2121 | | mg/Kg | | 106 | 70 - 130 | 4 | 35 |
| o-Xylene | 0.100 | 0.1025 | | mg/Kg | | 102 | 70 - 130 | 4 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 |

Lab Sample ID: 880-11741-1 MS

Matrix: Solid

Analysis Batch: 20854

Client Sample ID: BH 01

Prep Type: Total/NA

Prep Batch: 20668

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene | <0.00199 | U | 0.0988 | 0.09517 | | mg/Kg | | 96 | 70 - 130 |
| Toluene | <0.00199 | U | 0.0988 | 0.09286 | | mg/Kg | | 94 | 70 - 130 |

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QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11741-1
SDG: 32.37988,-103.88687

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

Lab Sample ID: 880-11741-1 MS

Matrix: Solid

Analysis Batch: 20854

Client Sample ID: BH 01

Prep Type: Total/NA

Prep Batch: 20668

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Ethylbenzene | <0.00199 | U | 0.0988 | 0.08880 | | mg/Kg | | 90 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.198 | 0.1824 | | mg/Kg | | 92 | 70 - 130 |
| o-Xylene | <0.00199 | U | 0.0988 | 0.08865 | | mg/Kg | | 90 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 |

Lab Sample ID: 880-11741-1 MSD

Matrix: Solid

Analysis Batch: 20854

Client Sample ID: BH 01

Prep Type: Total/NA

Prep Batch: 20668

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene | <0.00199 | U | 0.100 | 0.09169 | | mg/Kg | | 92 | 70 - 130 | 4 | 35 |
| Toluene | <0.00199 | U | 0.100 | 0.08797 | | mg/Kg | | 87 | 70 - 130 | 5 | 35 |
| Ethylbenzene | <0.00199 | U | 0.100 | 0.08420 | | mg/Kg | | 84 | 70 - 130 | 5 | 35 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.200 | 0.1735 | | mg/Kg | | 87 | 70 - 130 | 5 | 35 |
| o-Xylene | <0.00199 | U | 0.100 | 0.08423 | | mg/Kg | | 84 | 70 - 130 | 5 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 104 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 102 | | 70 - 130 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 880-20381/1-A

Matrix: Solid

Analysis Batch: 20380

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20381

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/26/22 10:55 | 02/26/22 21:46 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/26/22 10:55 | 02/26/22 21:46 | 1 |
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 02/26/22 10:55 | 02/26/22 21:46 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 73 | | 70 - 130 | 02/26/22 10:55 | 02/26/22 21:46 | 1 |
| o-Terphenyl (Surr) | 74 | | 70 - 130 | 02/26/22 10:55 | 02/26/22 21:46 | 1 |

Lab Sample ID: LCS 880-20381/2-A

Matrix: Solid

Analysis Batch: 20380

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20381

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|-------|---|------|--------------|
| C6-C12 Range Hydrocarbons | 1000 | 1132 | | mg/Kg | | 113 | 75 - 125 |
| >C12-C28 Range Hydrocarbons | 1000 | 898.7 | | mg/Kg | | 90 | 75 - 125 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------|---------------|---------------|----------|
| 1-Chlorooctane (Surr) | 96 | | 70 - 130 |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11741-1
SDG: 32.37988,-103.88687

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: LCS 880-20381/2-A

Matrix: Solid

Analysis Batch: 20380

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20381

| | LCS | LCS | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| <i>o</i> -Terphenyl (Surr) | 90 | | 70 - 130 |

Lab Sample ID: LCSD 880-20381/3-A

Matrix: Solid

Analysis Batch: 20380

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20381

| | Spike | LCSD | LCSD | | | | | %Rec. | |
|-----------------------------|-------|--------|-----------|-------|---|------|----------|-------|-------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| C6-C12 Range Hydrocarbons | 1000 | 1016 | | mg/Kg | | 102 | 75 - 125 | 11 | 25 |
| >C12-C28 Range Hydrocarbons | 1000 | 791.5 | | mg/Kg | | 79 | 75 - 125 | 13 | 25 |

| | LCSD | LCSD | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane (Surr) | 86 | | 70 - 130 |
| <i>o</i> -Terphenyl (Surr) | 82 | | 70 - 130 |

Lab Sample ID: 880-11739-A-2-C MS

Matrix: Solid

Analysis Batch: 20380

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20381

| | MS | MS | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane (Surr) | 82 | | 70 - 130 |
| <i>o</i> -Terphenyl (Surr) | 74 | | 70 - 130 |

Lab Sample ID: 880-11739-A-2-D MSD

Matrix: Solid

Analysis Batch: 20380

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20381

| | MSD | MSD | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane (Surr) | 81 | | 70 - 130 |
| <i>o</i> -Terphenyl (Surr) | 72 | | 70 - 130 |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20419/1-A

Matrix: Solid

Analysis Batch: 20698

Client Sample ID: Method Blank

Prep Type: Soluble

| | MB | MB | | | | | | | |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 03/03/22 11:44 | 1 |

Lab Sample ID: LCS 880-20419/2-A

Matrix: Solid

Analysis Batch: 20698

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| | Spike | LCS | LCS | | | | | %Rec. | |
|----------|-------|--------|-----------|-------|---|------|----------|-------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | | |
| Chloride | 250 | 253.6 | | mg/Kg | | 101 | 90 - 110 | | |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11741-1
SDG: 32.37988,-103.88687

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-20419/3-A

Matrix: Solid

Analysis Batch: 20698

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte | | | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|--|--|----------------|----------------|-------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | | | 250 | 253.5 | | mg/Kg | | 101 | 90 - 110 | 0 | 20 |

Lab Sample ID: 880-11733-A-1-B MS

Matrix: Solid

Analysis Batch: 20698

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|--|--|
| Chloride | 17300 | | 12500 | 29750 | | mg/Kg | | 100 | 90 - 110 | | |

Lab Sample ID: 880-11733-A-1-C MSD

Matrix: Solid

Analysis Batch: 20698

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 17300 | | 12500 | 30030 | | mg/Kg | | 102 | 90 - 110 | 1 | 20 |

Lab Sample ID: 880-11740-A-3-D MS

Matrix: Solid

Analysis Batch: 20698

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|----------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|--|--|
| Chloride | 450 | | 1260 | 1793 | | mg/Kg | | 106 | 90 - 110 | | |

Lab Sample ID: 880-11740-A-3-E MSD

Matrix: Solid

Analysis Batch: 20698

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|--------------|
| Chloride | 450 | | 1260 | 1789 | | mg/Kg | | 106 | 90 - 110 | 0 | 20 |

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11741-1
SDG: 32.37988,-103.88687

GC VOA

Prep Batch: 20668

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-11741-1 | BH 01 | Total/NA | Solid | 5035 | |
| 880-11741-2 | BH 01 C | Total/NA | Solid | 5035 | |
| MB 880-20668/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-20668/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-20668/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-11741-1 MS | BH 01 | Total/NA | Solid | 5035 | |
| 880-11741-1 MSD | BH 01 | Total/NA | Solid | 5035 | |

Analysis Batch: 20854

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-11741-1 | BH 01 | Total/NA | Solid | 8021B | 20668 |
| 880-11741-2 | BH 01 C | Total/NA | Solid | 8021B | 20668 |
| MB 880-20668/5-A | Method Blank | Total/NA | Solid | 8021B | 20668 |
| LCS 880-20668/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 20668 |
| LCSD 880-20668/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 20668 |
| 880-11741-1 MS | BH 01 | Total/NA | Solid | 8021B | 20668 |
| 880-11741-1 MSD | BH 01 | Total/NA | Solid | 8021B | 20668 |

Analysis Batch: 20918

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-11741-1 | BH 01 | Total/NA | Solid | Total BTEX | |
| 880-11741-2 | BH 01 C | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Analysis Batch: 20380

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| 880-11741-1 | BH 01 | Total/NA | Solid | TX 1005 | 20381 |
| 880-11741-2 | BH 01 C | Total/NA | Solid | TX 1005 | 20381 |
| MB 880-20381/1-A | Method Blank | Total/NA | Solid | TX 1005 | 20381 |
| LCS 880-20381/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 20381 |
| LCSD 880-20381/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 20381 |
| 880-11739-A-2-C MS | Matrix Spike | Total/NA | Solid | TX 1005 | 20381 |
| 880-11739-A-2-D MSD | Matrix Spike Duplicate | Total/NA | Solid | TX 1005 | 20381 |

Prep Batch: 20381

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------------|------------|
| 880-11741-1 | BH 01 | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11741-2 | BH 01 C | Total/NA | Solid | TX_1005_S_Pre p | |
| MB 880-20381/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Pre p | |
| LCS 880-20381/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Pre p | |
| LCSD 880-20381/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11739-A-2-C MS | Matrix Spike | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11739-A-2-D MSD | Matrix Spike Duplicate | Total/NA | Solid | TX_1005_S_Pre p | |

Eurofins Midland

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11741-1
SDG: 32.37988,-103.88687

GC Semi VOA

Analysis Batch: 20528

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-11741-1 | BH 01 | Total/NA | Solid | TX 1005 | |
| 880-11741-2 | BH 01 C | Total/NA | Solid | TX 1005 | |

HPLC/IC

Leach Batch: 20419

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-11741-1 | BH 01 | Soluble | Solid | DI Leach | |
| 880-11741-2 | BH 01 C | Soluble | Solid | DI Leach | |
| MB 880-20419/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-20419/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-20419/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-11733-A-1-B MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-11733-A-1-C MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |
| 880-11740-A-3-D MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-11740-A-3-E MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 20698

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-11741-1 | BH 01 | Soluble | Solid | 300.0 | 20419 |
| 880-11741-2 | BH 01 C | Soluble | Solid | 300.0 | 20419 |
| MB 880-20419/1-A | Method Blank | Soluble | Solid | 300.0 | 20419 |
| LCS 880-20419/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 20419 |
| LCSD 880-20419/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 20419 |
| 880-11733-A-1-B MS | Matrix Spike | Soluble | Solid | 300.0 | 20419 |
| 880-11733-A-1-C MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 20419 |
| 880-11740-A-3-D MS | Matrix Spike | Soluble | Solid | 300.0 | 20419 |
| 880-11740-A-3-E MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 20419 |

Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11741-1
SDG: 32.37988,-103.88687

Client Sample ID: BH 01

Lab Sample ID: 880-11741-1

Date Collected: 02/24/22 10:36

Matrix: Solid

Date Received: 02/25/22 14:58

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.03 g | 5 mL | 20668 | 03/04/22 07:45 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 20854 | 03/04/22 11:52 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 20918 | 03/04/22 14:07 | AJ | XEN MID |
| Total/NA | Prep | TX_1005_S_Prep | | | 10.03 g | 10 mL | 20381 | 02/26/22 10:55 | AM | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20380 | 02/26/22 23:56 | AJ | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20528 | 02/28/22 15:00 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5.02 g | 50 mL | 20419 | 02/28/22 09:23 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 10 | | | 20698 | 03/03/22 14:41 | CH | XEN MID |

Client Sample ID: BH 01 C

Lab Sample ID: 880-11741-2

Date Collected: 02/24/22 10:50

Matrix: Solid

Date Received: 02/25/22 14:58

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 4.99 g | 5 mL | 20668 | 03/04/22 07:45 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 20854 | 03/04/22 12:13 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 20918 | 03/04/22 14:07 | AJ | XEN MID |
| Total/NA | Prep | TX_1005_S_Prep | | | 10.00 g | 10 mL | 20381 | 02/26/22 10:55 | AM | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20380 | 02/27/22 00:16 | AJ | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20528 | 02/28/22 15:00 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 20419 | 02/28/22 09:23 | CH | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | | | 20698 | 03/03/22 17:29 | CH | XEN MID |

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11741-1
SDG: 32.37988,-103.88687

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400-21-22 | 06-30-22 |

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 |
|-----------------|-------------|--------|------------|
| Total BTEX | | Solid | Total BTEX |

Method Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

Job ID: 880-11741-1
SDG: 32.37988,-103.88687

| Method | Method Description | Protocol | Laboratory |
|----------------|---|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | XEN MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | XEN MID |
| TX 1005 | Texas - Total Petroleum Hydrocarbon (GC) | TCEQ | XEN MID |
| 300.0 | Anions, Ion Chromatography | MCAWW | XEN MID |
| 5035 | Closed System Purge and Trap | SW846 | XEN MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | XEN MID |
| TX_1005_S_Prep | Extraction - Texas Total petroleum Hyrdocarbons | TCEQ | 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.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: WSP USA Inc.
Project/Site: JRU D1 1

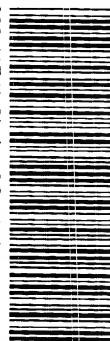
Job ID: 880-11741-1
SDG: 32.37988,-103.88687

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-11741-1 | BH 01 | Solid | 02/24/22 10:36 | 02/25/22 14:58 | 1' |
| 880-11741-2 | BH 01 C | Solid | 02/24/22 10:50 | 02/25/22 14:58 | 4' |

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



Work Or



880-11741 Chain of Custody

| Work Order Comments | |
|--|--|
| Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project: Reporting Level: <input checked="" type="radio"/> Level I <input type="checkbox"/> PST/US <input type="checkbox"/> TRR <input type="checkbox"/> Level IV Deliverables: EDD <input checked="" type="radio"/> ADAPT <input type="checkbox"/> Other: | |

| Number of Containers/Preservative Code | | ANALYSIS REQUEST | | | | | | | | | | Preservative Codes |
|---|--|------------------|--|--|--|--|--|--|--|--|--|----------------------|
| PH(1005) | | | | | | | | | | | | HN03: HN |
| TEX (8021) | | | | | | | | | | | | H2SO4: H2 |
| FLORIDES (300) | | | | | | | | | | | | HCL: HL |
| | | | | | | | | | | | | None: NO |
| | | | | | | | | | | | | NaOH: Na |
| | | | | | | | | | | | | MeOH: Me |
| | | | | | | | | | | | | Zn Acetate+ NaOH: Zn |
| TAT starts the day received by the lab. If received by 4:30pm | | | | | | | | | | | | |

[illegible]

| Circle Method(s) and Metal(s) to be analyzed | 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 II Sn U V Zn | |
| TCPLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U | | 1631 / 245.1 / 7470 / 7474 : Hg |

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$3 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by: (Signature) | Received by: (Signature) | Date/Time | Relinquished by: (Signature) | Received by: (Signature) | Date/Time |
|------------------------------|--------------------------|-----------|------------------------------|--------------------------|-----------|
| 1 <i>Madie Green</i> | <i>[Signature]</i> | 2/25/22 | | | |
| 2 <i>[Signature]</i> | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |

Revised Date 10/14/19 Rev. 2019

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 880-11741-1

SDG Number: 32.37988,-103.88687

Login Number: 11741

List Number: 1

Creator: Teel, Brianna

List Source: Eurofins Midland

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-11795-1

Laboratory Sample Delivery Group: 32.37988, -103.88687

Client Project/Site: JRU DI 1

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:
3/7/2022 9:27:17 PM

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

LINKS

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results through

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www.eurofinsus.com/Env

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

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

Client: WSP USA Inc.
Project/Site: JRU DI 1

Laboratory Job ID: 880-11795-1
SDG: 32.37988, -103.88687

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

Job ID: 880-11795-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-11795-1

Receipt

The samples were received on 2/28/2022 4:34 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

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 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

Client Sample ID: BH 06

Lab Sample ID: 880-11795-1

Date Collected: 02/25/22 15:00

Matrix: Solid

Date Received: 02/28/22 16:34

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:59 | 1 |
| Toluene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:59 | 1 |
| Ethylbenzene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:59 | 1 |
| m-Xylene & p-Xylene | <0.00402 | U | 0.00402 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:59 | 1 |
| o-Xylene | <0.00201 | U | 0.00201 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:59 | 1 |
| Xylenes, Total | <0.00402 | U | 0.00402 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:59 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 112 | | 70 - 130 | 03/06/22 11:20 | 03/07/22 00:59 | 1 |
| 1,4-Difluorobenzene (Surr) | 104 | | 70 - 130 | 03/06/22 11:20 | 03/07/22 00:59 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00402 | U | 0.00402 | | mg/Kg | | | 03/07/22 10:04 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 15:26 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 15:26 | 1 |
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 15:26 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <50.0 | U | 50.0 | | mg/Kg | | | 03/03/22 08:18 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 106 | | 70 - 130 | 03/01/22 09:28 | 03/02/22 15:26 | 1 |
| o-Terphenyl (Surr) | 107 | | 70 - 130 | 03/01/22 09:28 | 03/02/22 15:26 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 246 | | 25.0 | | mg/Kg | | | 03/03/22 19:16 | 5 |

Client Sample ID: BH 06C

Lab Sample ID: 880-11795-2

Date Collected: 02/25/22 15:15

Matrix: Solid

Date Received: 02/28/22 16:34

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 01:20 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 01:20 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 01:20 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 01:20 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 01:20 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 01:20 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 108 | | 70 - 130 | 03/06/22 11:20 | 03/07/22 01:20 | 1 |
| 1,4-Difluorobenzene (Surr) | 99 | | 70 - 130 | 03/06/22 11:20 | 03/07/22 01:20 | 1 |

Eurofins Midland

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

Client Sample ID: BH 06C

Lab Sample ID: 880-11795-2

Date Collected: 02/25/22 15:15

Matrix: Solid

Date Received: 02/28/22 16:34

Sample Depth: 4'

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 03/07/22 10:04 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <49.9 | U | 49.9 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 15:46 | 1 |
| >C12-C28 Range Hydrocarbons | <49.9 | U | 49.9 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 15:46 | 1 |
| >C28-C35 Range Hydrocarbons | <49.9 | U | 49.9 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 15:46 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <49.9 | U | 49.9 | | mg/Kg | | | 03/03/22 08:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane (Surr) | 113 | | 70 - 130 | | | | 03/01/22 09:28 | 03/02/22 15:46 | 1 |
| o-Terphenyl (Surr) | 112 | | 70 - 130 | | | | 03/01/22 09:28 | 03/02/22 15:46 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 110 | | 4.99 | | mg/Kg | | | 03/04/22 10:10 | 1 |

Surrogate Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-11795-1 | BH 06 | 112 | 104 |
| 880-11795-2 | BH 06C | 108 | 99 |
| 880-11797-A-1-L MSD | Matrix Spike Duplicate | 105 | 103 |
| 880-11797-A-1-N MS | Matrix Spike | 102 | 87 |
| LCS 880-20688/1-A | Lab Control Sample | 97 | 103 |
| LCSD 880-20688/2-A | Lab Control Sample Dup | 99 | 101 |
| MB 880-20688/5-A | Method Blank | 100 | 98 |
| MB 880-20897/5-A | Method Blank | 95 | 98 |
| Surrogate Legend | | | |
| BFB = 4-Bromofluorobenzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenzene (Surr) | | | |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------|------------------------|--|------------------|
| Lab Sample ID | Client Sample ID | 1CO (70-130) | OTPH (70-130) |
| 880-11733-A-2-C MS | Matrix Spike | 114 | 104 |
| 880-11733-A-2-D MSD | Matrix Spike Duplicate | 116 | 106 |
| 880-11795-1 | BH 06 | 106 | 107 |
| 880-11795-2 | BH 06C | 113 | 112 |
| LCS 880-20584/2-A | Lab Control Sample | 118 | 111 |
| LCSD 880-20584/3-A | Lab Control Sample Dup | 116 | 111 |
| MB 880-20584/1-A | Method Blank | 106 | 112 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane (Surr) | | | |
| OTPH = o-Terphenyl (Surr) | | | |

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20688/5-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20688

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/06/22 11:20 | 03/06/22 23:50 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/06/22 11:20 | 03/06/22 23:50 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/06/22 11:20 | 03/06/22 23:50 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/06/22 11:20 | 03/06/22 23:50 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/06/22 11:20 | 03/06/22 23:50 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/06/22 11:20 | 03/06/22 23:50 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 | 03/06/22 11:20 | 03/06/22 23:50 | 1 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | 03/06/22 11:20 | 03/06/22 23:50 | 1 |

Lab Sample ID: LCS 880-20688/1-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20688

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene | 0.100 | 0.1076 | | mg/Kg | | 108 | 70 - 130 |
| Toluene | 0.100 | 0.1007 | | mg/Kg | | 101 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09908 | | mg/Kg | | 99 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2300 | | mg/Kg | | 115 | 70 - 130 |
| o-Xylene | 0.100 | 0.1125 | | mg/Kg | | 112 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 103 | | 70 - 130 |

Lab Sample ID: LCSD 880-20688/2-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20688

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Benzene | 0.100 | 0.1036 | | mg/Kg | | 104 | 70 - 130 | 4 | 35 |
| Toluene | 0.100 | 0.09620 | | mg/Kg | | 96 | 70 - 130 | 5 | 35 |
| Ethylbenzene | 0.100 | 0.09579 | | mg/Kg | | 96 | 70 - 130 | 3 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2221 | | mg/Kg | | 111 | 70 - 130 | 3 | 35 |
| o-Xylene | 0.100 | 0.1103 | | mg/Kg | | 110 | 70 - 130 | 2 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: 880-11797-A-1-L MSD

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20688

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene | <0.00198 | U F2 F1 | 0.0992 | 0.08934 | F2 | mg/Kg | | 89 | 70 - 130 | 83 | 35 |
| Toluene | <0.00198 | U F2 F1 | 0.0992 | 0.08271 | F2 | mg/Kg | | 82 | 70 - 130 | 69 | 35 |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

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

Lab Sample ID: 880-11797-A-1-L MSD

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20688

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Ethylbenzene | <0.00198 | U F2 F1 | 0.0992 | 0.08084 | F2 | mg/Kg | | 81 | 70 - 130 | 62 | 35 |
| m-Xylene & p-Xylene | <0.00397 | U F2 F1 | 0.198 | 0.1874 | F2 | mg/Kg | | 94 | 70 - 130 | 66 | 35 |
| o-Xylene | <0.00198 | U F2 F1 | 0.0992 | 0.09159 | F2 | mg/Kg | | 92 | 70 - 130 | 64 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 103 | | 70 - 130 |

Lab Sample ID: 880-11797-A-1-N MS

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20688

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene | <0.00198 | U F2 F1 | 0.0990 | 0.03681 | F1 | mg/Kg | | 36 | 70 - 130 |
| Toluene | <0.00198 | U F2 F1 | 0.0990 | 0.04011 | F1 | mg/Kg | | 39 | 70 - 130 |
| Ethylbenzene | <0.00198 | U F2 F1 | 0.0990 | 0.04279 | F1 | mg/Kg | | 43 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00397 | U F2 F1 | 0.198 | 0.09448 | F1 | mg/Kg | | 48 | 70 - 130 |
| o-Xylene | <0.00198 | U F2 F1 | 0.0990 | 0.04736 | F1 | mg/Kg | | 48 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 87 | | 70 - 130 |

Lab Sample ID: MB 880-20897/5-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20897

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 12:13 | 03/06/22 12:14 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 12:13 | 03/06/22 12:14 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 12:13 | 03/06/22 12:14 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/04/22 12:13 | 03/06/22 12:14 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 12:13 | 03/06/22 12:14 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/04/22 12:13 | 03/06/22 12:14 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | 03/04/22 12:13 | 03/06/22 12:14 | 1 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | 03/04/22 12:13 | 03/06/22 12:14 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 880-20584/1-A

Matrix: Solid

Analysis Batch: 20651

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20584

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 09:06 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 09:06 | 1 |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: MB 880-20584/1-A

Matrix: Solid

Analysis Batch: 20651

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20584

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|-----------------|----------|-----|-------|---|----------------|----------------|---------|
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 09:06 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane (Surr) | 106 | | 70 - 130 | | | | 03/01/22 09:28 | 03/02/22 09:06 | 1 |
| o-Terphenyl (Surr) | 112 | | 70 - 130 | | | | 03/01/22 09:28 | 03/02/22 09:06 | 1 |

Lab Sample ID: LCS 880-20584/2-A

Matrix: Solid

Analysis Batch: 20651

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20584

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|----------------|---------------|------------------|-------|---|------|-----------------|
| C6-C12 Range Hydrocarbons | 1000 | 930.5 | | mg/Kg | | 93 | 75 - 125 |
| >C12-C28 Range Hydrocarbons | 1000 | 1069 | | mg/Kg | | 107 | 75 - 125 |
| Surrogate | %Recovery | Qualifier | Limits | | | | |
| 1-Chlorooctane (Surr) | 118 | | 70 - 130 | | | | |
| o-Terphenyl (Surr) | 111 | | 70 - 130 | | | | |

Lab Sample ID: LCSD 880-20584/3-A

Matrix: Solid

Analysis Batch: 20651

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20584

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|-----------------------------|----------------|----------------|-------------------|-------|---|------|-----------------|-----|-------|
| C6-C12 Range Hydrocarbons | 1000 | 880.7 | | mg/Kg | | 88 | 75 - 125 | 6 | 25 |
| >C12-C28 Range Hydrocarbons | 1000 | 987.4 | | mg/Kg | | 99 | 75 - 125 | 8 | 25 |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | |
| 1-Chlorooctane (Surr) | 116 | | 70 - 130 | | | | | | |
| o-Terphenyl (Surr) | 111 | | 70 - 130 | | | | | | |

Lab Sample ID: 880-11733-A-2-C MS

Matrix: Solid

Analysis Batch: 20651

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20584

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 995 | 1082 | | mg/Kg | | 109 | 75 - 125 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 995 | 986.7 | | mg/Kg | | 99 | 75 - 125 |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | |
| 1-Chlorooctane (Surr) | 114 | | 70 - 130 | | | | | | |
| o-Terphenyl (Surr) | 104 | | 70 - 130 | | | | | | |

Lab Sample ID: 880-11733-A-2-D MSD

Matrix: Solid

Analysis Batch: 20651

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20584

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|-------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 998 | 1178 | | mg/Kg | | 118 | 75 - 125 | 9 | 25 |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: 880-11733-A-2-D MSD

Matrix: Solid

Analysis Batch: 20651

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20584

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| >C12-C28 Range Hydrocarbons | <50.0 | U | 998 | 1018 | | mg/Kg | | 102 | 75 - 125 | 3 | 25 |
| Surrogate | MSD %Recovery | MSD Qualifier | MSD Limits | | | | | | | | |
| 1-Chlorooctane (Surr) | 116 | | 70 - 130 | | | | | | | | |
| o-Terphenyl (Surr) | 106 | | 70 - 130 | | | | | | | | |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20585/1-A

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 03/03/22 18:14 | 1 |

Lab Sample ID: LCS 880-20585/2-A

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|----------|-------------|------------|---------------|-------|---|------|--------------|--|--|
| Chloride | 250 | 258.2 | | mg/Kg | | 103 | 90 - 110 | | |

Lab Sample ID: LCSD 880-20585/3-A

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250 | 258.3 | | mg/Kg | | 103 | 90 - 110 | 0 | 20 |

Lab Sample ID: 880-11799-A-3-D MS

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | | |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|--|--|
| Chloride | 1640 | | 1250 | 3014 | | mg/Kg | | 110 | 90 - 110 | | |

Lab Sample ID: 880-11799-A-3-E MSD

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 1640 | | 1250 | 2994 | | mg/Kg | | 108 | 90 - 110 | 1 | 20 |

Eurofins Midland

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

GC VOA

Prep Batch: 20688

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-11795-1 | BH 06 | Total/NA | Solid | 5035 | |
| 880-11795-2 | BH 06C | Total/NA | Solid | 5035 | |
| MB 880-20688/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-20688/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-20688/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-11797-A-1-L MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |
| 880-11797-A-1-N MS | Matrix Spike | Total/NA | Solid | 5035 | |

Analysis Batch: 20859

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-11795-1 | BH 06 | Total/NA | Solid | 8021B | 20688 |
| 880-11795-2 | BH 06C | Total/NA | Solid | 8021B | 20688 |
| MB 880-20688/5-A | Method Blank | Total/NA | Solid | 8021B | 20688 |
| MB 880-20897/5-A | Method Blank | Total/NA | Solid | 8021B | 20897 |
| LCS 880-20688/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 20688 |
| LCSD 880-20688/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 20688 |
| 880-11797-A-1-L MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 20688 |
| 880-11797-A-1-N MS | Matrix Spike | Total/NA | Solid | 8021B | 20688 |

Prep Batch: 20897

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-20897/5-A | Method Blank | Total/NA | Solid | 5035 | |

Analysis Batch: 21020

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-11795-1 | BH 06 | Total/NA | Solid | Total BTEX | |
| 880-11795-2 | BH 06C | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 20584

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------------|------------|
| 880-11795-1 | BH 06 | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11795-2 | BH 06C | Total/NA | Solid | TX_1005_S_Pre p | |
| MB 880-20584/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Pre p | |
| LCS 880-20584/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Pre p | |
| LCSD 880-20584/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11733-A-2-C MS | Matrix Spike | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11733-A-2-D MSD | Matrix Spike Duplicate | Total/NA | Solid | TX_1005_S_Pre p | |

Analysis Batch: 20651

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 880-11795-1 | BH 06 | Total/NA | Solid | TX 1005 | 20584 |
| 880-11795-2 | BH 06C | Total/NA | Solid | TX 1005 | 20584 |
| MB 880-20584/1-A | Method Blank | Total/NA | Solid | TX 1005 | 20584 |
| LCS 880-20584/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 20584 |

Eurofins Midland

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

GC Semi VOA (Continued)

Analysis Batch: 20651 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| LCSD 880-20584/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 20584 |
| 880-11733-A-2-C MS | Matrix Spike | Total/NA | Solid | TX 1005 | 20584 |
| 880-11733-A-2-D MSD | Matrix Spike Duplicate | Total/NA | Solid | TX 1005 | 20584 |

Analysis Batch: 20753

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-11795-1 | BH 06 | Total/NA | Solid | TX 1005 | |
| 880-11795-2 | BH 06C | Total/NA | Solid | TX 1005 | |

HPLC/IC

Leach Batch: 20585

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-11795-1 | BH 06 | Soluble | Solid | DI Leach | |
| 880-11795-2 | BH 06C | Soluble | Solid | DI Leach | |
| MB 880-20585/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-20585/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-20585/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-11799-A-3-D MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-11799-A-3-E MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 20705

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-11795-1 | BH 06 | Soluble | Solid | 300.0 | 20585 |
| 880-11795-2 | BH 06C | Soluble | Solid | 300.0 | 20585 |
| MB 880-20585/1-A | Method Blank | Soluble | Solid | 300.0 | 20585 |
| LCS 880-20585/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 20585 |
| LCSD 880-20585/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 20585 |
| 880-11799-A-3-D MS | Matrix Spike | Soluble | Solid | 300.0 | 20585 |
| 880-11799-A-3-E MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 20585 |

Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

Client Sample ID: BH 06

Lab Sample ID: 880-11795-1

Date Collected: 02/25/22 15:00

Matrix: Solid

Date Received: 02/28/22 16:34

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 4.97 g | 5 mL | 20688 | 03/06/22 11:20 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 20859 | 03/07/22 00:59 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 21020 | 03/07/22 10:04 | AJ | XEN MID |
| Total/NA | Prep | TX_1005_S_Prep | | | 10.01 g | 10 mL | 20584 | 03/01/22 09:28 | DM | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20651 | 03/02/22 15:26 | AJ | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20753 | 03/03/22 08:18 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 20585 | 03/01/22 09:38 | SC | XEN MID |
| Soluble | Analysis | 300.0 | | 5 | | | 20705 | 03/03/22 19:16 | CH | XEN MID |

Client Sample ID: BH 06C

Lab Sample ID: 880-11795-2

Date Collected: 02/25/22 15:15

Matrix: Solid

Date Received: 02/28/22 16:34

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 4.95 g | 5 mL | 20688 | 03/06/22 11:20 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 20859 | 03/07/22 01:20 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 21020 | 03/07/22 10:04 | AJ | XEN MID |
| Total/NA | Prep | TX_1005_S_Prep | | | 10.02 g | 10 mL | 20584 | 03/01/22 09:28 | DM | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20651 | 03/02/22 15:46 | AJ | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20753 | 03/03/22 08:18 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5.01 g | 50 mL | 20585 | 03/01/22 09:38 | SC | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | | | 20705 | 03/04/22 10:10 | CH | XEN MID |

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400-21-22 | 06-30-22 |

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 |
|-----------------|-------------|--------|------------|
| Total BTEX | | Solid | Total BTEX |

Method Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

| Method | Method Description | Protocol | Laboratory |
|----------------|---|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | XEN MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | XEN MID |
| TX 1005 | Texas - Total Petroleum Hydrocarbon (GC) | TCEQ | XEN MID |
| 300.0 | Anions, Ion Chromatography | MCAWW | XEN MID |
| 5035 | Closed System Purge and Trap | SW846 | XEN MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | XEN MID |
| TX_1005_S_Prep | Extraction - Texas Total petroleum Hyrdocarbons | TCEQ | 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.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11795-1
SDG: 32.37988, -103.88687

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-11795-1 | BH 06 | Solid | 02/25/22 15:00 | 02/28/22 16:34 | 1' |
| 880-11795-2 | BH 06C | Solid | 02/25/22 15:15 | 02/28/22 16:34 | 4' |

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



Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432) 704-5440 El Paso TX (915) 585-3443 Lubbock TX (806) 754-1296
Hobbs, NM (575) 392 7550 Carlsbad NM (575) 998-3199 Phoenix, AZ (480) 355-0800
Tampa FL (813) 620-2000 Tallahassee FL (850) 756-0747 Delray Beach FL (561) 689-6707
Atlanta GA (770) 449-8800

Work Order No: 11795

| | | | | |
|-----------------|------------------------------|-------|------------------------|--------------|
| Project Manager | Laurena Morrissey | | Bill to (if different) | Adrian Baker |
| Company Name | WSP USA | | Company Name | XTO Energy |
| Address | 3300 N A St Bldg 1 Suite 222 | | | |
| City State ZIP | Midland, TX 79707 | City | State | ZIP |
| Phone | 337-257-8307 | Email | | |

Work Order Comments

Program ☒ UST/PS ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐

State of **Project**

Reporting Level ☒ Level 1 ☐ Level 1P ☐ P2/UST ☐ TRR ☐ Level 1A

Deliverables EDD ☒ ADAPT ☐ Other

| | | | |
|-------------------------|----------------------|--------------------|--------------------------|
| Project Name | JRU DT 1 | Turn Around | |
| Project Number | 31403236.020.0129 | Routine | <input type="checkbox"/> |
| Project Location | 32.37988, -103.88687 | Rush | <input type="checkbox"/> |
| Sampler's Name | Nihara Kato | Due Date | 5 day |
| PO # | | | |

| SAMPLE RECEIPT | | Temp Blank | Yes (No) | Wet Ice | (Yes) No |
|------------------------------|---------|-------------------|-----------------|----------------|------------------|
| Temperature (°C) | 5.6/5.5 | | | | Thermometer ID |
| Received In tact. | Yes No | | | | IPB |
| Cooler Custody Seals | Yes No | N/A | | | -1 |
| Sample Custody Seals. | Yes No | N/A | | | Total Containers |

Number of Containers/Preservative Code

| | | | | | | | | | |
|---------------|--|--|--|--|--|--|--|--|--|
| H (1005) | | | | | | | | | |
| EX (8021) | | | | | | | | | |
| LORIDES (300) | | | | | | | | | |

| ANALYSIS REQUEST | | | | | | | | | | Preservative Codes |
|-------------------------|--|--|--|--|--|--|--|--|--|---------------------------|
| | | | | | | | | | | HNO3 HN |
| | | | | | | | | | | H2SO4 H2 |
| | | | | | | | | | | HCL HL |
| | | | | | | | | | | None NO |
| | | | | | | | | | | NaOH Na |
| | | | | | | | | | | MeOH Me |
| | | | | | | | | | | Zn Acetate+ NaOH Zn |

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

[illegible]



880-11795 Chain of Custody

Total 200.7 / 6010 200.8 / 6020:

[illegible]

1631 / 245.1 / 7470 / 7471 Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

| Relinquished by (Signature) | Received by (Signature) | Date/Time | Relinquished by (Signature) | Received by (Signature) | Date/Time |
|---|---|-----------|-----------------------------|-------------------------|-----------|
|  |  | 2/28/22 | | | |
| | | 10:34 | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 880-11795-1

SDG Number: 32.37988, -103.88687

Login Number: 11795

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-11796-1

Laboratory Sample Delivery Group: 32.37988, -103.88687
Client Project/Site: JRU DI 1

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:
3/7/2022 9:18:25 PM

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

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

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 1

Laboratory Job ID: 880-11796-1
SDG: 32.37988, -103.88687

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| U | Indicates the analyte was analyzed for but not detected. |

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

Job ID: 880-11796-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-11796-1

Receipt

The samples were received on 2/28/2022 4:34 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-20669 and analytical batch 880-20859 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

GC Semi VOA

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 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

Client Sample ID: BH 05

Lab Sample ID: 880-11796-1

Date Collected: 02/25/22 14:27

Matrix: Solid

Date Received: 02/28/22 16:34

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 19:41 | 1 |
| Toluene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 19:41 | 1 |
| Ethylbenzene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 19:41 | 1 |
| m-Xylene & p-Xylene | <0.00404 | U | 0.00404 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 19:41 | 1 |
| o-Xylene | <0.00202 | U | 0.00202 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 19:41 | 1 |
| Xylenes, Total | <0.00404 | U | 0.00404 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 19:41 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 109 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 19:41 | 1 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 19:41 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00404 | U | 0.00404 | | mg/Kg | | | 03/06/22 20:53 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <49.9 | U | 49.9 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 16:07 | 1 |
| >C12-C28 Range Hydrocarbons | <49.9 | U | 49.9 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 16:07 | 1 |
| >C28-C35 Range Hydrocarbons | <49.9 | U | 49.9 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 16:07 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <49.9 | U | 49.9 | | mg/Kg | | | 03/03/22 08:18 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 132 | S1+ | 70 - 130 | 03/01/22 09:28 | 03/02/22 16:07 | 1 |
| o-Terphenyl (Surr) | 134 | S1+ | 70 - 130 | 03/01/22 09:28 | 03/02/22 16:07 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 141 | | 24.9 | | mg/Kg | | | 03/03/22 19:33 | 5 |

Client Sample ID: BH 05C

Lab Sample ID: 880-11796-2

Date Collected: 02/25/22 14:40

Matrix: Solid

Date Received: 02/28/22 16:34

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00198 | U | 0.00198 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 20:01 | 1 |
| Toluene | <0.00198 | U | 0.00198 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 20:01 | 1 |
| Ethylbenzene | <0.00198 | U | 0.00198 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 20:01 | 1 |
| m-Xylene & p-Xylene | <0.00397 | U | 0.00397 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 20:01 | 1 |
| o-Xylene | <0.00198 | U | 0.00198 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 20:01 | 1 |
| Xylenes, Total | <0.00397 | U | 0.00397 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 20:01 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 20:01 | 1 |
| 1,4-Difluorobenzene (Surr) | 103 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 20:01 | 1 |

Eurofins Midland

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

Client Sample ID: BH 05C

Lab Sample ID: 880-11796-2

Date Collected: 02/25/22 14:40

Matrix: Solid

Date Received: 02/28/22 16:34

Sample Depth: 4'

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00397 | U | 0.00397 | | mg/Kg | | | 03/06/22 20:53 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 16:28 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 16:28 | 1 |
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 16:28 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <50.0 | U | 50.0 | | mg/Kg | | | 03/03/22 08:18 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane (Surr) | 121 | | 70 - 130 | | | | 03/01/22 09:28 | 03/02/22 16:28 | 1 |
| o-Terphenyl (Surr) | 121 | | 70 - 130 | | | | 03/01/22 09:28 | 03/02/22 16:28 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 232 | | 25.0 | | mg/Kg | | | 03/03/22 20:00 | 5 |

Surrogate Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-11740-A-1-I MS | Matrix Spike | 80 | 101 |
| 880-11740-A-1-J MSD | Matrix Spike Duplicate | 105 | 100 |
| 880-11796-1 | BH 05 | 109 | 100 |
| 880-11796-2 | BH 05C | 106 | 103 |
| LCS 880-20669/1-A | Lab Control Sample | 94 | 100 |
| LCSD 880-20669/2-A | Lab Control Sample Dup | 96 | 101 |
| MB 880-20669/5-A | Method Blank | 97 | 100 |
| Surrogate Legend | | | |
| BFB = 4-Bromofluorobenzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenzene (Surr) | | | |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------|------------------------|--|------------------|
| Lab Sample ID | Client Sample ID | 1CO (70-130) | OTPH (70-130) |
| 880-11733-A-2-C MS | Matrix Spike | 114 | 104 |
| 880-11733-A-2-D MSD | Matrix Spike Duplicate | 116 | 106 |
| 880-11796-1 | BH 05 | 132 S1+ | 134 S1+ |
| 880-11796-2 | BH 05C | 121 | 121 |
| LCS 880-20584/2-A | Lab Control Sample | 118 | 111 |
| LCSD 880-20584/3-A | Lab Control Sample Dup | 116 | 111 |
| MB 880-20584/1-A | Method Blank | 106 | 112 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane (Surr) | | | |
| OTPH = o-Terphenyl (Surr) | | | |

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20669/5-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/04/22 07:30 | 03/04/22 12:56 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 12:56 | 1 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 | 03/04/22 07:30 | 03/04/22 12:56 | 1 |

Lab Sample ID: LCS 880-20669/1-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene | 0.100 | 0.1051 | | mg/Kg | | 105 | 70 - 130 |
| Toluene | 0.100 | 0.09641 | | mg/Kg | | 96 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09532 | | mg/Kg | | 95 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2204 | | mg/Kg | | 110 | 70 - 130 |
| o-Xylene | 0.100 | 0.1072 | | mg/Kg | | 107 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 94 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 |

Lab Sample ID: LCSD 880-20669/2-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-------|
| Benzene | 0.100 | 0.1089 | | mg/Kg | | 109 | 70 - 130 | 4 | 35 |
| Toluene | 0.100 | 0.09986 | | mg/Kg | | 100 | 70 - 130 | 4 | 35 |
| Ethylbenzene | 0.100 | 0.09805 | | mg/Kg | | 98 | 70 - 130 | 3 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2269 | | mg/Kg | | 113 | 70 - 130 | 3 | 35 |
| o-Xylene | 0.100 | 0.1112 | | mg/Kg | | 111 | 70 - 130 | 4 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 96 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: 880-11740-A-1-I MS

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene | <0.00199 | U | 0.101 | 0.07143 | | mg/Kg | | 71 | 70 - 130 |
| Toluene | <0.00199 | U F2 F1 | 0.101 | 0.06327 | F1 | mg/Kg | | 62 | 70 - 130 |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

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

Lab Sample ID: 880-11740-A-1-I MS

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Ethylbenzene | <0.00199 | U F1 | 0.101 | 0.06285 | F1 | mg/Kg | | 62 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.202 | 0.1445 | | mg/Kg | | 72 | 70 - 130 |
| o-Xylene | <0.00199 | U | 0.101 | 0.07131 | | mg/Kg | | 71 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 80 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: 880-11740-A-1-J MSD

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20669

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene | <0.00199 | U | 0.0998 | 0.1001 | | mg/Kg | | 100 | 70 - 130 | 33 | 35 |
| Toluene | <0.00199 | U F2 F1 | 0.0998 | 0.09162 | F2 | mg/Kg | | 91 | 70 - 130 | 37 | 35 |
| Ethylbenzene | <0.00199 | U F1 | 0.0998 | 0.08914 | | mg/Kg | | 89 | 70 - 130 | 35 | 35 |
| m-Xylene & p-Xylene | <0.00398 | U | 0.200 | 0.2065 | | mg/Kg | | 103 | 70 - 130 | 35 | 35 |
| o-Xylene | <0.00199 | U | 0.0998 | 0.1009 | | mg/Kg | | 101 | 70 - 130 | 34 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 880-20584/1-A

Matrix: Solid

Analysis Batch: 20651

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20584

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 09:06 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 09:06 | 1 |
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 09:28 | 03/02/22 09:06 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------|--------------|--------------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 106 | | 70 - 130 | 03/01/22 09:28 | 03/02/22 09:06 | 1 |
| o-Terphenyl (Surr) | 112 | | 70 - 130 | 03/01/22 09:28 | 03/02/22 09:06 | 1 |

Lab Sample ID: LCS 880-20584/2-A

Matrix: Solid

Analysis Batch: 20651

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20584

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|-------------|------------|---------------|-------|---|------|--------------|
| C6-C12 Range Hydrocarbons | 1000 | 930.5 | | mg/Kg | | 93 | 75 - 125 |
| >C12-C28 Range Hydrocarbons | 1000 | 1069 | | mg/Kg | | 107 | 75 - 125 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------|---------------|---------------|----------|
| 1-Chlorooctane (Surr) | 118 | | 70 - 130 |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: LCS 880-20584/2-A

Matrix: Solid

Analysis Batch: 20651

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20584

| | LCS | LCS | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| <i>o</i> -Terphenyl (Surr) | 111 | | 70 - 130 |

Lab Sample ID: LCSD 880-20584/3-A

Matrix: Solid

Analysis Batch: 20651

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20584

| | | | Spike | LCSD | LCSD | | | | %Rec. | | |
|-----------------------------|--|--|-------|--------|-----------|-------|---|------|----------|-----|-----------|
| Analyte | | | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | RPD Limit |
| C6-C12 Range Hydrocarbons | | | 1000 | 880.7 | | mg/Kg | | 88 | 75 - 125 | 6 | 25 |
| >C12-C28 Range Hydrocarbons | | | 1000 | 987.4 | | mg/Kg | | 99 | 75 - 125 | 8 | 25 |

| | LCSD | LCSD | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane (Surr) | 116 | | 70 - 130 |
| <i>o</i> -Terphenyl (Surr) | 111 | | 70 - 130 |

Lab Sample ID: 880-11733-A-2-C MS

Matrix: Solid

Analysis Batch: 20651

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 20584

| | Sample | Sample | Spike | MS | MS | | | | %Rec. | | |
|-----------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| C6-C12 Range Hydrocarbons | <50.0 | U | 995 | 1082 | | mg/Kg | | 109 | 75 - 125 | | |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 995 | 986.7 | | mg/Kg | | 99 | 75 - 125 | | |

| | MS | MS | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane (Surr) | 114 | | 70 - 130 |
| <i>o</i> -Terphenyl (Surr) | 104 | | 70 - 130 |

Lab Sample ID: 880-11733-A-2-D MSD

Matrix: Solid

Analysis Batch: 20651

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 20584

| | Sample | Sample | Spike | MSD | MSD | | | | %Rec. | | RPD |
|-----------------------------|--------|-----------|-------|--------|-----------|-------|---|------|----------|-----|-------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| C6-C12 Range Hydrocarbons | <50.0 | U | 998 | 1178 | | mg/Kg | | 118 | 75 - 125 | 9 | 25 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 998 | 1018 | | mg/Kg | | 102 | 75 - 125 | 3 | 25 |

| | MSD | MSD | |
|----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 1-Chlorooctane (Surr) | 116 | | 70 - 130 |
| <i>o</i> -Terphenyl (Surr) | 106 | | 70 - 130 |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20585/1-A

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Method Blank

Prep Type: Soluble

| | MB | MB | | | | | | | |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 03/03/22 18:14 | 1 |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-20585/2-A

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Lab Control Sample

Prep Type: Soluble

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|-------------|------------|---------------|-------|---|------|--------------|
| Chloride | 250 | 258.2 | | mg/Kg | | 103 | 90 - 110 |

Lab Sample ID: LCSD 880-20585/3-A

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250 | 258.3 | | mg/Kg | | 103 | 90 - 110 | 0 | 20 |

Lab Sample ID: 880-11799-A-3-D MS

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Chloride | 1640 | | 1250 | 3014 | | mg/Kg | | 110 | 90 - 110 |

Lab Sample ID: 880-11799-A-3-E MSD

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 1640 | | 1250 | 2994 | | mg/Kg | | 108 | 90 - 110 | 1 | 20 |

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

GC VOA

Prep Batch: 20669

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-11796-1 | BH 05 | Total/NA | Solid | 5035 | |
| 880-11796-2 | BH 05C | Total/NA | Solid | 5035 | |
| MB 880-20669/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-20669/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-20669/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-11740-A-1-I MS | Matrix Spike | Total/NA | Solid | 5035 | |
| 880-11740-A-1-J MSD | Matrix Spike Duplicate | Total/NA | Solid | 5035 | |

Analysis Batch: 20859

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-11796-1 | BH 05 | Total/NA | Solid | 8021B | 20669 |
| 880-11796-2 | BH 05C | Total/NA | Solid | 8021B | 20669 |
| MB 880-20669/5-A | Method Blank | Total/NA | Solid | 8021B | 20669 |
| LCS 880-20669/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 20669 |
| LCSD 880-20669/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 20669 |
| 880-11740-A-1-I MS | Matrix Spike | Total/NA | Solid | 8021B | 20669 |
| 880-11740-A-1-J MSD | Matrix Spike Duplicate | Total/NA | Solid | 8021B | 20669 |

Analysis Batch: 20986

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-11796-1 | BH 05 | Total/NA | Solid | Total BTEX | |
| 880-11796-2 | BH 05C | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 20584

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------------------|------------|
| 880-11796-1 | BH 05 | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11796-2 | BH 05C | Total/NA | Solid | TX_1005_S_Pre p | |
| MB 880-20584/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Pre p | |
| LCS 880-20584/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Pre p | |
| LCSD 880-20584/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11733-A-2-C MS | Matrix Spike | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11733-A-2-D MSD | Matrix Spike Duplicate | Total/NA | Solid | TX_1005_S_Pre p | |

Analysis Batch: 20651

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|---------|------------|
| 880-11796-1 | BH 05 | Total/NA | Solid | TX 1005 | 20584 |
| 880-11796-2 | BH 05C | Total/NA | Solid | TX 1005 | 20584 |
| MB 880-20584/1-A | Method Blank | Total/NA | Solid | TX 1005 | 20584 |
| LCS 880-20584/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 20584 |
| LCSD 880-20584/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 20584 |
| 880-11733-A-2-C MS | Matrix Spike | Total/NA | Solid | TX 1005 | 20584 |
| 880-11733-A-2-D MSD | Matrix Spike Duplicate | Total/NA | Solid | TX 1005 | 20584 |

Eurofins Midland

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

GC Semi VOA

Analysis Batch: 20754

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-11796-1 | BH 05 | Total/NA | Solid | TX 1005 | |
| 880-11796-2 | BH 05C | Total/NA | Solid | TX 1005 | |

HPLC/IC

Leach Batch: 20585

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-11796-1 | BH 05 | Soluble | Solid | DI Leach | |
| 880-11796-2 | BH 05C | Soluble | Solid | DI Leach | |
| MB 880-20585/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-20585/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-20585/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-11799-A-3-D MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-11799-A-3-E MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 20705

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-11796-1 | BH 05 | Soluble | Solid | 300.0 | 20585 |
| 880-11796-2 | BH 05C | Soluble | Solid | 300.0 | 20585 |
| MB 880-20585/1-A | Method Blank | Soluble | Solid | 300.0 | 20585 |
| LCS 880-20585/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 20585 |
| LCSD 880-20585/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 20585 |
| 880-11799-A-3-D MS | Matrix Spike | Soluble | Solid | 300.0 | 20585 |
| 880-11799-A-3-E MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 20585 |

Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

Client Sample ID: BH 05

Lab Sample ID: 880-11796-1

Date Collected: 02/25/22 14:27

Matrix: Solid

Date Received: 02/28/22 16:34

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 4.95 g | 5 mL | 20669 | 03/04/22 07:30 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 20859 | 03/04/22 19:41 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 20986 | 03/06/22 20:53 | AJ | XEN MID |
| Total/NA | Prep | TX_1005_S_Prep | | | 10.02 g | 10 mL | 20584 | 03/01/22 09:28 | DM | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20651 | 03/02/22 16:07 | AJ | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20754 | 03/03/22 08:18 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5.03 g | 50 mL | 20585 | 03/01/22 09:38 | SC | XEN MID |
| Soluble | Analysis | 300.0 | | 5 | | | 20705 | 03/03/22 19:33 | CH | XEN MID |

Client Sample ID: BH 05C

Lab Sample ID: 880-11796-2

Date Collected: 02/25/22 14:40

Matrix: Solid

Date Received: 02/28/22 16:34

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.04 g | 5 mL | 20669 | 03/04/22 07:30 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 20859 | 03/04/22 20:01 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 20986 | 03/06/22 20:53 | AJ | XEN MID |
| Total/NA | Prep | TX_1005_S_Prep | | | 10.01 g | 10 mL | 20584 | 03/01/22 09:28 | DM | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20651 | 03/02/22 16:28 | AJ | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20754 | 03/03/22 08:18 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5 g | 50 mL | 20585 | 03/01/22 09:38 | SC | XEN MID |
| Soluble | Analysis | 300.0 | | 5 | | | 20705 | 03/03/22 20:00 | CH | XEN MID |

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400-21-22 | 06-30-22 |

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 |
|-----------------|-------------|--------|------------|
| Total BTEX | | Solid | Total BTEX |

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

Method Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

| Method | Method Description | Protocol | Laboratory |
|----------------|---|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | XEN MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | XEN MID |
| TX 1005 | Texas - Total Petroleum Hydrocarbon (GC) | TCEQ | XEN MID |
| 300.0 | Anions, Ion Chromatography | MCAWW | XEN MID |
| 5035 | Closed System Purge and Trap | SW846 | XEN MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | XEN MID |
| TX_1005_S_Prep | Extraction - Texas Total petroleum Hyrdocarbons | TCEQ | 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.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11796-1
SDG: 32.37988, -103.88687

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-11796-1 | BH 05 | Solid | 02/25/22 14:27 | 02/28/22 16:34 | 1' |
| 880-11796-2 | BH 05C | Solid | 02/25/22 14:40 | 02/28/22 16:34 | 4' |

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



Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 802-0300 San Antonio TX (210) 509-3334
Midland TX (432) 704-5540 El Paso TX (915) 585-3443 Lubbock TX (806) 794-1296
Hobbs NM (575) 392 7550 Carlsbad NM (575) 988-3199 Phoenix AZ (480) 355-0900
Tampa FL (813) 620-2000 Tallahassee FL (850) 756-0747 Delray Beach FL (561) 689-6707
Atlanta GA (770) 449-8800

Atlanta GA (770) 449-8800

Work Order No: 11796

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[illegible]

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 880-11796-1

SDG Number: 32.37988, -103.88687

Login Number: 11796

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

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



Environment Testing America

ANALYTICAL REPORT

Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Tel: (432)704-5440

Laboratory Job ID: 880-11797-1

Laboratory Sample Delivery Group: 32.37988, -103.88687
Client Project/Site: JRU DI 1

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:
3/7/2022 9:27:37 PM

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

LINKS

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results through

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

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

Client: WSP USA Inc.
Project/Site: JRU DI 1

Laboratory Job ID: 880-11797-1
SDG: 32.37988, -103.88687

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

Qualifiers

GC VOA

| Qualifier | Qualifier Description |
|-----------|--|
| F1 | MS and/or MSD recovery exceeds control limits. |
| F2 | MS/MSD RPD exceeds control limits |
| S1+ | Surrogate recovery exceeds control limits, 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 DI 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

Job ID: 880-11797-1

Laboratory: Eurofins Midland**Narrative**

Job Narrative
880-11797-1**Receipt**

The samples were received on 2/28/2022 4:34 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.5°C

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 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

Client Sample ID: BH 04

Lab Sample ID: 880-11797-1

Date Collected: 02/25/22 13:53

Matrix: Solid

Date Received: 02/28/22 16:34

Sample Depth: 1'

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00198 | U F2 F1 | 0.00198 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:19 | 1 |
| Toluene | <0.00198 | U F2 F1 | 0.00198 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:19 | 1 |
| Ethylbenzene | <0.00198 | U F2 F1 | 0.00198 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:19 | 1 |
| m-Xylene & p-Xylene | <0.00397 | U F2 F1 | 0.00397 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:19 | 1 |
| o-Xylene | <0.00198 | U F2 F1 | 0.00198 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:19 | 1 |
| Xylenes, Total | <0.00397 | U F2 F1 | 0.00397 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:19 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106 | | 70 - 130 | 03/06/22 11:20 | 03/07/22 00:19 | 1 |
| 1,4-Difluorobenzene (Surr) | 100 | | 70 - 130 | 03/06/22 11:20 | 03/07/22 00:19 | 1 |

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00397 | U | 0.00397 | | mg/Kg | | | 03/07/22 10:04 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|--------|-----------|------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 11:03 | 03/02/22 19:43 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 11:03 | 03/02/22 19:43 | 1 |
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 11:03 | 03/02/22 19:43 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <50.0 | U | 50.0 | | mg/Kg | | | 03/03/22 08:28 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------|-----------|-----------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 106 | | 70 - 130 | 03/01/22 11:03 | 03/02/22 19:43 | 1 |
| o-Terphenyl (Surr) | 107 | | 70 - 130 | 03/01/22 11:03 | 03/02/22 19:43 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 264 | | 4.96 | | mg/Kg | | | 03/04/22 10:19 | 1 |

Client Sample ID: BH 04C

Lab Sample ID: 880-11797-2

Date Collected: 02/25/22 14:06

Matrix: Solid

Date Received: 02/28/22 16:34

Sample Depth: 4'

Method: 8021B - Volatile Organic Compounds (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|----------|-----------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:39 | 1 |
| Toluene | 0.00295 | | 0.00200 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:39 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:39 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:39 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:39 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/06/22 11:20 | 03/07/22 00:39 | 1 |

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 249 | S1+ | 70 - 130 | 03/06/22 11:20 | 03/07/22 00:39 | 1 |
| 1,4-Difluorobenzene (Surr) | 227 | S1+ | 70 - 130 | 03/06/22 11:20 | 03/07/22 00:39 | 1 |

Eurofins Midland

Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

Client Sample ID: BH 04C

Lab Sample ID: 880-11797-2

Date Collected: 02/25/22 14:06

Matrix: Solid

Date Received: 02/28/22 16:34

Sample Depth: 4'

Method: Total BTEX - Total BTEX Calculation

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|------------|----------|-----------|---------|-----|-------|---|----------|----------------|---------|
| Total BTEX | <0.00400 | U | 0.00400 | | mg/Kg | | | 03/07/22 10:04 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------------------------|-----------|-----------|----------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <49.9 | U | 49.9 | | mg/Kg | | 03/01/22 11:03 | 03/02/22 20:44 | 1 |
| >C12-C28 Range Hydrocarbons | <49.9 | U | 49.9 | | mg/Kg | | 03/01/22 11:03 | 03/02/22 20:44 | 1 |
| >C28-C35 Range Hydrocarbons | <49.9 | U | 49.9 | | mg/Kg | | 03/01/22 11:03 | 03/02/22 20:44 | 1 |
| Total Petroleum Hydrocarbons (C6-C35) | <49.9 | U | 49.9 | | mg/Kg | | | 03/03/22 08:28 | 1 |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 1-Chlorooctane (Surr) | 114 | | 70 - 130 | | | | 03/01/22 11:03 | 03/02/22 20:44 | 1 |
| o-Terphenyl (Surr) | 112 | | 70 - 130 | | | | 03/01/22 11:03 | 03/02/22 20:44 | 1 |

Method: 300.0 - Anions, Ion Chromatography - Soluble

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|--------|-----------|------|-----|-------|---|----------|----------------|---------|
| Chloride | 136 | | 5.02 | | mg/Kg | | | 03/04/22 10:28 | 1 |

Surrogate Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------------|------------------------|--|-------------------|
| Lab Sample ID | Client Sample ID | BFB1 (70-130) | DFBZ1 (70-130) |
| 880-11797-1 | BH 04 | 106 | 100 |
| 880-11797-1 MS | BH 04 | 102 | 87 |
| 880-11797-1 MSD | BH 04 | 105 | 103 |
| 880-11797-2 | BH 04C | 249 S1+ | 227 S1+ |
| LCS 880-20688/1-A | Lab Control Sample | 97 | 103 |
| LCSD 880-20688/2-A | Lab Control Sample Dup | 99 | 101 |
| MB 880-20688/5-A | Method Blank | 100 | 98 |
| MB 880-20897/5-A | Method Blank | 95 | 98 |
| Surrogate Legend | | | |
| BFB = 4-Bromofluorobenzene (Surr) | | | |
| DFBZ = 1,4-Difluorobenzene (Surr) | | | |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid

Prep Type: Total/NA

| | | Percent Surrogate Recovery (Acceptance Limits) | |
|-----------------------------|------------------------|--|------------------|
| Lab Sample ID | Client Sample ID | 1CO (70-130) | OTPH (70-130) |
| 880-11797-1 | BH 04 | 106 | 107 |
| 880-11797-1 MS | BH 04 | 111 | 93 |
| 880-11797-1 MSD | BH 04 | 113 | 96 |
| 880-11797-2 | BH 04C | 114 | 112 |
| LCS 880-20603/2-A | Lab Control Sample | 120 | 101 |
| LCSD 880-20603/3-A | Lab Control Sample Dup | 114 | 97 |
| MB 880-20603/1-A | Method Blank | 126 | 128 |
| Surrogate Legend | | | |
| 1CO = 1-Chlorooctane (Surr) | | | |
| OTPH = o-Terphenyl (Surr) | | | |

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20688/5-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20688

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/06/22 11:20 | 03/06/22 23:50 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/06/22 11:20 | 03/06/22 23:50 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/06/22 11:20 | 03/06/22 23:50 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/06/22 11:20 | 03/06/22 23:50 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/06/22 11:20 | 03/06/22 23:50 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/06/22 11:20 | 03/06/22 23:50 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 100 | | 70 - 130 | 03/06/22 11:20 | 03/06/22 23:50 | 1 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | 03/06/22 11:20 | 03/06/22 23:50 | 1 |

Lab Sample ID: LCS 880-20688/1-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20688

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|-------------|------------|---------------|-------|---|------|--------------|
| Benzene | 0.100 | 0.1076 | | mg/Kg | | 108 | 70 - 130 |
| Toluene | 0.100 | 0.1007 | | mg/Kg | | 101 | 70 - 130 |
| Ethylbenzene | 0.100 | 0.09908 | | mg/Kg | | 99 | 70 - 130 |
| m-Xylene & p-Xylene | 0.200 | 0.2300 | | mg/Kg | | 115 | 70 - 130 |
| o-Xylene | 0.100 | 0.1125 | | mg/Kg | | 112 | 70 - 130 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 97 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 103 | | 70 - 130 |

Lab Sample ID: LCSD 880-20688/2-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20688

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | Limit |
|---------------------|-------------|-------------|----------------|-------|---|------|--------------|-----|-------|
| Benzene | 0.100 | 0.1036 | | mg/Kg | | 104 | 70 - 130 | 4 | 35 |
| Toluene | 0.100 | 0.09620 | | mg/Kg | | 96 | 70 - 130 | 5 | 35 |
| Ethylbenzene | 0.100 | 0.09579 | | mg/Kg | | 96 | 70 - 130 | 3 | 35 |
| m-Xylene & p-Xylene | 0.200 | 0.2221 | | mg/Kg | | 111 | 70 - 130 | 3 | 35 |
| o-Xylene | 0.100 | 0.1103 | | mg/Kg | | 110 | 70 - 130 | 2 | 35 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------------|----------------|----------------|----------|
| 4-Bromofluorobenzene (Surr) | 99 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 101 | | 70 - 130 |

Lab Sample ID: 880-11797-1 MS

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: BH 04

Prep Type: Total/NA

Prep Batch: 20688

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Benzene | <0.00198 | U F2 F1 | 0.0990 | 0.03681 | F1 | mg/Kg | | 36 | 70 - 130 |
| Toluene | <0.00198 | U F2 F1 | 0.0990 | 0.04011 | F1 | mg/Kg | | 39 | 70 - 130 |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

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

Lab Sample ID: 880-11797-1 MS

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: BH 04

Prep Type: Total/NA

Prep Batch: 20688

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|---------------------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|
| Ethylbenzene | <0.00198 | U F2 F1 | 0.0990 | 0.04279 | F1 | mg/Kg | | 43 | 70 - 130 |
| m-Xylene & p-Xylene | <0.00397 | U F2 F1 | 0.198 | 0.09448 | F1 | mg/Kg | | 48 | 70 - 130 |
| o-Xylene | <0.00198 | U F2 F1 | 0.0990 | 0.04736 | F1 | mg/Kg | | 48 | 70 - 130 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------------|--------------|--------------|----------|
| 4-Bromofluorobenzene (Surr) | 102 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 87 | | 70 - 130 |

Lab Sample ID: 880-11797-1 MSD

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: BH 04

Prep Type: Total/NA

Prep Batch: 20688

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Benzene | <0.00198 | U F2 F1 | 0.0992 | 0.08934 | F2 | mg/Kg | | 89 | 70 - 130 | 83 | 35 |
| Toluene | <0.00198 | U F2 F1 | 0.0992 | 0.08271 | F2 | mg/Kg | | 82 | 70 - 130 | 69 | 35 |
| Ethylbenzene | <0.00198 | U F2 F1 | 0.0992 | 0.08084 | F2 | mg/Kg | | 81 | 70 - 130 | 62 | 35 |
| m-Xylene & p-Xylene | <0.00397 | U F2 F1 | 0.198 | 0.1874 | F2 | mg/Kg | | 94 | 70 - 130 | 66 | 35 |
| o-Xylene | <0.00198 | U F2 F1 | 0.0992 | 0.09159 | F2 | mg/Kg | | 92 | 70 - 130 | 64 | 35 |

| Surrogate | MSD %Recovery | MSD Qualifier | Limits |
|-----------------------------|---------------|---------------|----------|
| 4-Bromofluorobenzene (Surr) | 105 | | 70 - 130 |
| 1,4-Difluorobenzene (Surr) | 103 | | 70 - 130 |

Lab Sample ID: MB 880-20897/5-A

Matrix: Solid

Analysis Batch: 20859

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20897

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---------------------|-----------|--------------|---------|-----|-------|---|----------------|----------------|---------|
| Benzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 12:13 | 03/06/22 12:14 | 1 |
| Toluene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 12:13 | 03/06/22 12:14 | 1 |
| Ethylbenzene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 12:13 | 03/06/22 12:14 | 1 |
| m-Xylene & p-Xylene | <0.00400 | U | 0.00400 | | mg/Kg | | 03/04/22 12:13 | 03/06/22 12:14 | 1 |
| o-Xylene | <0.00200 | U | 0.00200 | | mg/Kg | | 03/04/22 12:13 | 03/06/22 12:14 | 1 |
| Xylenes, Total | <0.00400 | U | 0.00400 | | mg/Kg | | 03/04/22 12:13 | 03/06/22 12:14 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|--------------|----------|----------------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 95 | | 70 - 130 | 03/04/22 12:13 | 03/06/22 12:14 | 1 |
| 1,4-Difluorobenzene (Surr) | 98 | | 70 - 130 | 03/04/22 12:13 | 03/06/22 12:14 | 1 |

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 880-20603/1-A

Matrix: Solid

Analysis Batch: 20653

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20603

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|--------------|------|-----|-------|---|----------------|----------------|---------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 11:03 | 03/02/22 18:42 | 1 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 11:03 | 03/02/22 18:42 | 1 |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: MB 880-20603/1-A

Matrix: Solid

Analysis Batch: 20653

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 20603

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|--------------|-----------------|------|-----|-------|---|----------------|----------------|---------|
| >C28-C35 Range Hydrocarbons | <50.0 | U | 50.0 | | mg/Kg | | 03/01/22 11:03 | 03/02/22 18:42 | 1 |

| Surrogate | MB %Recovery | MB Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------|-----------------|-----------------|----------|----------------|----------------|---------|
| 1-Chlorooctane (Surr) | 126 | | 70 - 130 | 03/01/22 11:03 | 03/02/22 18:42 | 1 |
| o-Terphenyl (Surr) | 128 | | 70 - 130 | 03/01/22 11:03 | 03/02/22 18:42 | 1 |

Lab Sample ID: LCS 880-20603/2-A

Matrix: Solid

Analysis Batch: 20653

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 20603

| Analyte | Spike Added | LCS Result | LCS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|----------------|---------------|------------------|-------|---|------|-----------------|
| C6-C12 Range Hydrocarbons | 1000 | 984.3 | | mg/Kg | | 98 | 75 - 125 |
| >C12-C28 Range Hydrocarbons | 1000 | 1064 | | mg/Kg | | 106 | 75 - 125 |

| Surrogate | LCS %Recovery | LCS Qualifier | Limits |
|-----------------------|------------------|------------------|----------|
| 1-Chlorooctane (Surr) | 120 | | 70 - 130 |
| o-Terphenyl (Surr) | 101 | | 70 - 130 |

Lab Sample ID: LCSD 880-20603/3-A

Matrix: Solid

Analysis Batch: 20653

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 20603

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|----------------|----------------|-------------------|-------|---|------|-----------------|-----|--------------|
| C6-C12 Range Hydrocarbons | 1000 | 953.4 | | mg/Kg | | 95 | 75 - 125 | 3 | 25 |
| >C12-C28 Range Hydrocarbons | 1000 | 1035 | | mg/Kg | | 103 | 75 - 125 | 3 | 25 |

| Surrogate | LCSD %Recovery | LCSD Qualifier | Limits |
|-----------------------|-------------------|-------------------|----------|
| 1-Chlorooctane (Surr) | 114 | | 70 - 130 |
| o-Terphenyl (Surr) | 97 | | 70 - 130 |

Lab Sample ID: 880-11797-1 MS

Matrix: Solid

Analysis Batch: 20653

Client Sample ID: BH 04

Prep Type: Total/NA

Prep Batch: 20603

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits |
|-----------------------------|------------------|---------------------|----------------|--------------|-----------------|-------|---|------|-----------------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 995 | 1037 | | mg/Kg | | 101 | 75 - 125 |
| >C12-C28 Range Hydrocarbons | <50.0 | U | 995 | 1035 | | mg/Kg | | 101 | 75 - 125 |

| Surrogate | MS %Recovery | MS Qualifier | Limits |
|-----------------------|-----------------|-----------------|----------|
| 1-Chlorooctane (Surr) | 111 | | 70 - 130 |
| o-Terphenyl (Surr) | 93 | | 70 - 130 |

Lab Sample ID: 880-11797-1 MSD

Matrix: Solid

Analysis Batch: 20653

Client Sample ID: BH 04

Prep Type: Total/NA

Prep Batch: 20603

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|---------------------------|------------------|---------------------|----------------|---------------|------------------|-------|---|------|-----------------|-----|--------------|
| C6-C12 Range Hydrocarbons | <50.0 | U | 998 | 1055 | | mg/Kg | | 102 | 75 - 125 | 2 | 25 |

Eurofins Midland

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: 880-11797-1 MSD

Matrix: Solid

Analysis Batch: 20653

Client Sample ID: BH 04

Prep Type: Total/NA

Prep Batch: 20603

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|-----------------------------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| >C12-C28 Range Hydrocarbons | <50.0 | U | 998 | 1079 | | mg/Kg | | 106 | 75 - 125 | 4 | 25 |
| | MSD | MSD | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 1-Chlorooctane (Surr) | 113 | | 70 - 130 | | | | | | | | |
| o-Terphenyl (Surr) | 96 | | 70 - 130 | | | | | | | | |

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20585/1-A

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Method Blank

Prep Type: Soluble

| Analyte | MB Result | MB Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|----------|-----------|--------------|------|-----|-------|---|----------|----------------|---------|
| Chloride | <5.00 | U | 5.00 | | mg/Kg | | | 03/03/22 18:14 | 1 |

Lab Sample ID: LCS 880-20585/2-A

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Lab Control Sample

Prep Type: Soluble

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

Lab Sample ID: LCSD 880-20585/3-A

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

| Analyte | Spike Added | LCSD Result | LCSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|-------------|-------------|----------------|-------|---|------|--------------|-----|-----------|
| Chloride | 250 | 258.3 | | mg/Kg | | 103 | 90 - 110 | 0 | 20 |

Lab Sample ID: 880-11799-A-3-D MS

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Matrix Spike

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MS Result | MS Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|-----------|--------------|-------|---|------|--------------|-----|-----------|
| Chloride | 1640 | | 1250 | 3014 | | mg/Kg | | 110 | 90 - 110 | | |

Lab Sample ID: 880-11799-A-3-E MSD

Matrix: Solid

Analysis Batch: 20705

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

| Analyte | Sample Result | Sample Qualifier | Spike Added | MSD Result | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit |
|----------|---------------|------------------|-------------|------------|---------------|-------|---|------|--------------|-----|-----------|
| Chloride | 1640 | | 1250 | 2994 | | mg/Kg | | 108 | 90 - 110 | 1 | 20 |

Eurofins Midland

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

GC VOA

Prep Batch: 20688

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-11797-1 | BH 04 | Total/NA | Solid | 5035 | |
| 880-11797-2 | BH 04C | Total/NA | Solid | 5035 | |
| MB 880-20688/5-A | Method Blank | Total/NA | Solid | 5035 | |
| LCS 880-20688/1-A | Lab Control Sample | Total/NA | Solid | 5035 | |
| LCSD 880-20688/2-A | Lab Control Sample Dup | Total/NA | Solid | 5035 | |
| 880-11797-1 MS | BH 04 | Total/NA | Solid | 5035 | |
| 880-11797-1 MSD | BH 04 | Total/NA | Solid | 5035 | |

Analysis Batch: 20859

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------|------------|
| 880-11797-1 | BH 04 | Total/NA | Solid | 8021B | 20688 |
| 880-11797-2 | BH 04C | Total/NA | Solid | 8021B | 20688 |
| MB 880-20688/5-A | Method Blank | Total/NA | Solid | 8021B | 20688 |
| MB 880-20897/5-A | Method Blank | Total/NA | Solid | 8021B | 20897 |
| LCS 880-20688/1-A | Lab Control Sample | Total/NA | Solid | 8021B | 20688 |
| LCSD 880-20688/2-A | Lab Control Sample Dup | Total/NA | Solid | 8021B | 20688 |
| 880-11797-1 MS | BH 04 | Total/NA | Solid | 8021B | 20688 |
| 880-11797-1 MSD | BH 04 | Total/NA | Solid | 8021B | 20688 |

Prep Batch: 20897

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|------------------|-----------|--------|--------|------------|
| MB 880-20897/5-A | Method Blank | Total/NA | Solid | 5035 | |

Analysis Batch: 21019

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|------------|------------|
| 880-11797-1 | BH 04 | Total/NA | Solid | Total BTEX | |
| 880-11797-2 | BH 04C | Total/NA | Solid | Total BTEX | |

GC Semi VOA

Prep Batch: 20603

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|--------------------|------------|
| 880-11797-1 | BH 04 | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11797-2 | BH 04C | Total/NA | Solid | TX_1005_S_Pre p | |
| MB 880-20603/1-A | Method Blank | Total/NA | Solid | TX_1005_S_Pre p | |
| LCS 880-20603/2-A | Lab Control Sample | Total/NA | Solid | TX_1005_S_Pre p | |
| LCSD 880-20603/3-A | Lab Control Sample Dup | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11797-1 MS | BH 04 | Total/NA | Solid | TX_1005_S_Pre p | |
| 880-11797-1 MSD | BH 04 | Total/NA | Solid | TX_1005_S_Pre p | |

Analysis Batch: 20653

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|--------------------|-----------|--------|---------|------------|
| 880-11797-1 | BH 04 | Total/NA | Solid | TX 1005 | 20603 |
| 880-11797-2 | BH 04C | Total/NA | Solid | TX 1005 | 20603 |
| MB 880-20603/1-A | Method Blank | Total/NA | Solid | TX 1005 | 20603 |
| LCS 880-20603/2-A | Lab Control Sample | Total/NA | Solid | TX 1005 | 20603 |

Eurofins Midland

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

GC Semi VOA (Continued)

Analysis Batch: 20653 (Continued)

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|--------------------|------------------------|-----------|--------|---------|------------|
| LCSD 880-20603/3-A | Lab Control Sample Dup | Total/NA | Solid | TX 1005 | 20603 |
| 880-11797-1 MS | BH 04 | Total/NA | Solid | TX 1005 | 20603 |
| 880-11797-1 MSD | BH 04 | Total/NA | Solid | TX 1005 | 20603 |

Analysis Batch: 20765

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------|------------------|-----------|--------|---------|------------|
| 880-11797-1 | BH 04 | Total/NA | Solid | TX 1005 | |
| 880-11797-2 | BH 04C | Total/NA | Solid | TX 1005 | |

HPLC/IC

Leach Batch: 20585

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|----------|------------|
| 880-11797-1 | BH 04 | Soluble | Solid | DI Leach | |
| 880-11797-2 | BH 04C | Soluble | Solid | DI Leach | |
| MB 880-20585/1-A | Method Blank | Soluble | Solid | DI Leach | |
| LCS 880-20585/2-A | Lab Control Sample | Soluble | Solid | DI Leach | |
| LCSD 880-20585/3-A | Lab Control Sample Dup | Soluble | Solid | DI Leach | |
| 880-11799-A-3-D MS | Matrix Spike | Soluble | Solid | DI Leach | |
| 880-11799-A-3-E MSD | Matrix Spike Duplicate | Soluble | Solid | DI Leach | |

Analysis Batch: 20705

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|---------------------|------------------------|-----------|--------|--------|------------|
| 880-11797-1 | BH 04 | Soluble | Solid | 300.0 | 20585 |
| 880-11797-2 | BH 04C | Soluble | Solid | 300.0 | 20585 |
| MB 880-20585/1-A | Method Blank | Soluble | Solid | 300.0 | 20585 |
| LCS 880-20585/2-A | Lab Control Sample | Soluble | Solid | 300.0 | 20585 |
| LCSD 880-20585/3-A | Lab Control Sample Dup | Soluble | Solid | 300.0 | 20585 |
| 880-11799-A-3-D MS | Matrix Spike | Soluble | Solid | 300.0 | 20585 |
| 880-11799-A-3-E MSD | Matrix Spike Duplicate | Soluble | Solid | 300.0 | 20585 |

Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

Client Sample ID: BH 04

Lab Sample ID: 880-11797-1

Date Collected: 02/25/22 13:53

Matrix: Solid

Date Received: 02/28/22 16:34

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.04 g | 5 mL | 20688 | 03/06/22 11:20 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 20859 | 03/07/22 00:19 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 21019 | 03/07/22 10:04 | AJ | XEN MID |
| Total/NA | Prep | TX_1005_S_Prep | | | 10.01 g | 10 mL | 20603 | 03/01/22 11:03 | DM | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20653 | 03/02/22 19:43 | AJ | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20765 | 03/03/22 08:28 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 5.04 g | 50 mL | 20585 | 03/01/22 09:38 | SC | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | | | 20705 | 03/04/22 10:19 | CH | XEN MID |

Client Sample ID: BH 04C

Lab Sample ID: 880-11797-2

Date Collected: 02/25/22 14:06

Matrix: Solid

Date Received: 02/28/22 16:34

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analyst | Lab |
|-----------|------------|----------------|-----|------------|----------------|--------------|--------------|----------------------|---------|---------|
| Total/NA | Prep | 5035 | | | 5.00 g | 5 mL | 20688 | 03/06/22 11:20 | KL | XEN MID |
| Total/NA | Analysis | 8021B | | 1 | 5 mL | 5 mL | 20859 | 03/07/22 00:39 | KL | XEN MID |
| Total/NA | Analysis | Total BTEX | | 1 | | | 21019 | 03/07/22 10:04 | AJ | XEN MID |
| Total/NA | Prep | TX_1005_S_Prep | | | 10.02 g | 10 mL | 20603 | 03/01/22 11:03 | DM | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20653 | 03/02/22 20:44 | AJ | XEN MID |
| Total/NA | Analysis | TX 1005 | | 1 | | | 20765 | 03/03/22 08:28 | AJ | XEN MID |
| Soluble | Leach | DI Leach | | | 4.98 g | 50 mL | 20585 | 03/01/22 09:38 | SC | XEN MID |
| Soluble | Analysis | 300.0 | | 1 | | | 20705 | 03/04/22 10:28 | CH | XEN MID |

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

Laboratory: Eurofins Midland

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

| Authority | Program | Identification Number | Expiration Date |
|-----------|---------|-----------------------|-----------------|
| Texas | NELAP | T104704400-21-22 | 06-30-22 |

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 |
|-----------------|-------------|--------|------------|
| Total BTEX | | Solid | Total BTEX |

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

Method Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

| Method | Method Description | Protocol | Laboratory |
|----------------|---|----------|------------|
| 8021B | Volatile Organic Compounds (GC) | SW846 | XEN MID |
| Total BTEX | Total BTEX Calculation | TAL SOP | XEN MID |
| TX 1005 | Texas - Total Petroleum Hydrocarbon (GC) | TCEQ | XEN MID |
| 300.0 | Anions, Ion Chromatography | MCAWW | XEN MID |
| 5035 | Closed System Purge and Trap | SW846 | XEN MID |
| DI Leach | Deionized Water Leaching Procedure | ASTM | XEN MID |
| TX_1005_S_Prep | Extraction - Texas Total petroleum Hyrdocarbons | TCEQ | 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.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

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

Eurofins Midland

Sample Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1

Job ID: 880-11797-1
SDG: 32.37988, -103.88687

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received | Depth |
|---------------|------------------|--------|----------------|----------------|-------|
| 880-11797-1 | BH 04 | Solid | 02/25/22 13:53 | 02/28/22 16:34 | 1' |
| 880-11797-2 | BH 04C | Solid | 02/25/22 14:06 | 02/28/22 16:34 | 4' |

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



Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 505-3334
Midland TX (432) 704-5440 El Paso TX (915) 585-3443 Lubbock TX (806) 794-1296
Hobbs NM (575) 392-7550 Carlsbad NM (575) 988-3199 Phoenix, AZ (480) 355-0800
Tampa FL (813) 620-2000 Tallahassee FL (850) 756-0747 Daytona Beach FL (561) 689-6704
Atlanta GA (770) 449-8800

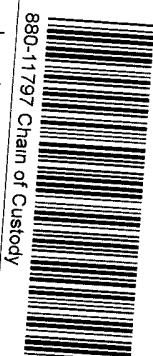
Allianta GA (110) 449-8800

Work Order No: 11797

www.xenco.com Page 1 of 1

| | | | |
|-----------------|-------------------------------|------------------------|--------------------------|
| Project Manager | Tacoma Morrissey | Bill to (if different) | Adrian Baker |
| Company Name | WSP USA | Company Name | XTO Energy |
| Address | 3300 N A St. Bldg 1 Suite 222 | Address. | |
| City, State ZIP | Midland, TX-79707 | City State ZIP | |
| Phone | 337-257-8307 | Email | Tacoma.Morrissey@wsp.com |



| Work Order Comments | | | |
|---------------------|--|---------------------------------|--|
| Program | UST/ST <input type="checkbox"/> | RRP <input type="checkbox"/> | Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> |
| State of Project: | | | |
| Reporting Level | <input checked="" type="checkbox"/> Level I <input type="checkbox"/> | PST/US <input type="checkbox"/> | TRR <input type="checkbox"/> Level <input type="checkbox"/> |
| Deliverables | EDD <input checked="" type="checkbox"/> | ADAPT <input type="checkbox"/> | Other <input type="checkbox"/> |

[illegible][illegible]

880-11797 Chain of Custody

[illegible]

of service. Xenoco 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 Xenoco. A minimum charge of \$75.00 will be applied to each project and a charge of \$3 for each sample submitted to Xenoco, 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 |
|---|---|-----------|-----------------------------|-------------------------|-----------|
|  |  | 2/28/22 | | | |
| | | 16:34 | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 880-11797-1

SDG Number: 32.37988, -103.88687

Login Number: 11797

List Number: 1

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

| Question | Answer | Comment |
|--|--------|---------|
| The cooler's custody seal, if present, is intact. | N/A | |
| Sample custody seals, if present, are intact. | N/A | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | 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 | |

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 91314

CONDITIONS

| | |
|---|---|
| Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707 | OGRID: 5380 |
| | Action Number: 91314 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|--|----------------|
| jnobui | Deferral Request Approved. Please implement 19.15.29.13 NMAC when completing P&A. For depth to groundwater determination, please use wells within 0.5 miles of site and <25 years old. | 3/22/2022 |