RECEIVED
NOV 01 2010
HOBBSOCD

District I
1625 N. French Dr., Hobbs, NM 88240
District II
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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

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Chesapeake Energy	**Contact:** Bradley Blevins
Address: P.O. Box 190, Hobbs, NM 88240	**Telephone No.:** (505) 391-1462 ext. 6224
Facility Name: Trinity Burrus ABO Unit No. 1	**Facility Type:** Tank Battery

Surface Owner: Tommy Burris	**Mineral Owner:** Chesapeake Energy	**Lease No.:NMNM 116169X**

LOCATION OF RELEASE

API # 30-025-34922

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	22	12S	38E	900'	South	1859	East	Lea

Latitude: Longitude:

NATURE OF RELEASE

DTW = 24'

Type of Release: Produced Water	**Volume of Release:** 20 barrels	**Volume Recovered:** 0 barrels
Source of Release: Blown Flow Line	**Date and Hour of Occurrence:** 10/17/2010- 7:00 am	**Date and Hour of Discovery:** 10/17/10- 8:00 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	**If YES, To Whom? Geoffrey Leking**	
By Whom? Bradley Blevins	**Date and Hour:** 10/17/10 2:00 pm	
Was a Watercourse Reached? ☐ Yes ☒ No	**If YES, Volume Impacting the Watercourse:**	

Depth to water: 30 ft. bgs.

If a Watercourse was Impacted, Describe Fully:

Describe Cause of Problem and Remedial Action Taken: On October 17, 2010 a buried flowline rupture caused 20 barrels of produced water to be released over soil surface at location. Environmental Plus, Inc. (EPI) was notified and mobilized at the location, immediately beginning excavation and removing contaminated soil.

Describe Area Affected and Cleanup Action Taken: Approximately 434 yards of contaminated soil were removed and transported to Sundance Disposal from Oct. 17 to Oct 25, 2010, to a total depth of 1 to 3ft bgs. Samples were taken and submitted to Cardinal Laboratories for Chlorides testing.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Bradley Blevins	OIL CONSERVATION DIVISION
Printed Name: Bradley Blevins	**Approved by District Supervisor:** Geoffrey Leking Environmental Specialist
Title: Field Supervisor	**Approval Date:** 11/01/10 **Expiration Date:** 01/03/11
E-mail Address: Bradley.blevins@chk.com	**Conditions of Approval:** SUBMIT FINAL C-141 BY 01/03/11 ☐ Attached
Date: 11-1-2010 **Phone:** (505) 391-1462 ext. 6224	IRP- 01-14-3010

* **Attach Additional Sheets If Necessary**

JUL 10 2017

Ogrid 4323
n70 1419 040759
pro1419

Incident ID	NTO1419040759
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<50 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	NTO1419040759
District RP	
Facility ID	
Application ID	

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

Printed Name: Jeffery Tew Title: Operations Engineer

Signature: Jeffery Tew Date: 3/23/2022

email: jtew@aecnm.com Telephone: 575-623-2999

OCD Only

Received by: _____ Date: _____

Incident ID	NTO1419040759
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

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

☒ Description of remediation activities

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

Printed Name: Jeffery Tew Title: Operations Engineer

Signature: Jeffery Tew Date: 3/23/2022

Email: jtew@aecnm.com Telephone: 575-623-2999

ODC Only

Received by: Date:

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

Closure Approved by: Jennifer Nobui Date: 06/21/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

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

March 22, 2022

District 1 - Hobbs
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

Re: Closure Request
Trinity Burrus Abo Unit #001
Incident Number NTO1419040759
Lea County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP), on behalf of Armstrong Energy Corporation (Armstrong), presents the following Closure Request detailing site assessment, excavation, and soil sampling activities at the Trinity Burrus Abo Unit #001 (Site), located in Unit N, Section 22, Township 12 South, Range 38 East, in Lea County, New Mexico (Figure 1). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil following the release of produced water at the Site. Based on excavation activities and laboratory analytical results from the soil sampling event, Armstrong is submitting this Closure Request and requesting no further action (NFA) for Incident Number NTO1419040759.

RELEASE BACKGROUND

On October 17, 2010, a flowline ruptured, resulting in the release of approximately 20 barrels (bbls) of produced water onto the surface of the well pad. No fluids were recovered. Environmental Plus, Inc (EPI) removed surficial soil at the Site. Approximately 434 cubic yards were removed and transported to Sundance Disposal. Chesapeake Energy, the operator of the facility at the time of the release, notified the New Mexico Oil Conservation Division (NMOCD) on November 1, 2010. The release was assigned Incident Number NTO1419040759. Armstrong is the current owner and operator of the Site, and it was brought to their attention this release was not considered closed by NMOCD. As such, Armstrong completed site assessment activities as to gain NFA for the release.

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 less than 50 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS)

well 331518103044201, located less than ¼ -mile northeast of the Site. The groundwater well has a reported depth to groundwater of 23 feet bgs and an undetermined total well depth. All wells used for depth to groundwater determination are depicted on Figure 1. The referenced water well records are provided in Attachment 1.

The closest continuously flowing water or significant watercourse to the Site is an intermittent freshwater pond, located approximately 715 feet northeast 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 not underlain by unstable geology (low 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

DELINEATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

On January 31, 2022, WSP personnel were at the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. WSP personnel advanced five boreholes (BH01 though BH05) via hand-auger to assess the presence or absence of soil impacts. Three soil samples were collected from each borehole from a depth of approximately 0.5 feet, 1-foot, and 3 feet bgs. Soil from the boreholes was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Field screening results and observations from the boreholes were documented on a lithologic/soil sampling log and are included as Attachment 2. The delineation boreholes were backfilled with the soil removed. The borehole delineation soil sample locations are depicted on Figure 2.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH- 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 delineation soil sample BH01, collected at 0.5 feet bgs, indicated chloride concentrations exceeded the Closure Criteria. Soil samples BH01A, collected at 1-foot and BH01B, collected at 3 feet bgs, indicated benzene, BTEX, TPH, and chloride concentrations were all compliant with the Closure Criteria. Laboratory analytical results for delineation soil samples BH02 through BH05, collected at depths of approximately 0.5 feet, 1-foot, and 3 feet bgs, indicated benzene, BTEX, TPH, and chloride concentrations were all compliant with the Closure Criteria.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

On February 28, 2022, WSP personnel returned to the Site to oversee excavation activities as indicated by laboratory analytical results. Excavation activities were completed to remove impacted soil in the vicinity surrounding delineation soil sample BH01. Excavation activities were performed using a backhoe and transport vehicle. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride. The excavation was completed to a depth of approximately 1-foot bgs.

Following removal of impacted soil, WSP collected 5-point composite soil samples every 200 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite floor samples FS01 through FS05 were collected from the floor of the excavation from a depth of 1-foot bgs. Due to the shallow depth of the of the excavation, the floor samples represented the floor and sidewalls of the excavation. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3. Photographic documentation is included in Attachment 3.

Laboratory analytical results for excavation floor samples FS01 through FS05, collected from the final excavation extent, indicated benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Attachment 4.

The final excavation extent measured approximately 880 square feet. At the completion of excavation activities, approximately 33 cubic yards of impacted soil were removed. The impacted soil was transported and properly disposed of at R360 Facility located in Hobbs, New Mexico. After completion of confirmation sampling, the excavation area was backfilled.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the October 17, 2010 produced water release. Once the release was discovered, the former operator immediately dispatched EPI to remove stained soil. Laboratory analytical results for excavation soil samples, collected from the final excavation extent, indicated benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results for the remaining 2022 delineation soil samples (BH02 through BH05) indicated benzene, BTEX, TPH and chloride concentrations were compliant with Closure Criteria. As such, there appears to be an absence of soil impacts related to the 2010 release outside of the excavation extent and no further remediation appears necessary.

Based on initial response efforts and laboratory analytical results compliant with Closure Criteria, remedial actions taken at the Stie appear to have been sufficient in protecting human health, the environment, and groundwater and as a result, Armstrong respectfully requests NFA for Incident Number NTO1419040759.

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

Sincerely,

WSP USA Inc.

Kalei Jennings
Consultant, Environmental Scientist

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

cc: Kyle Alpers, Armstrong Energy Corporation

Attachments:

Figure 1	Site Location Map
Figure 2	Delineation Soil Sample Locations
Figure 3	Excavation Soil Sample Locations
Table 1	Soil Analytical Results
Attachment 1	Referenced Well Records

Attachment 2 Lithologic/Sampling Logs
Attachment 3 Photographic Log
Attachment 4 Laboratory Analytical Reports

FIGURES

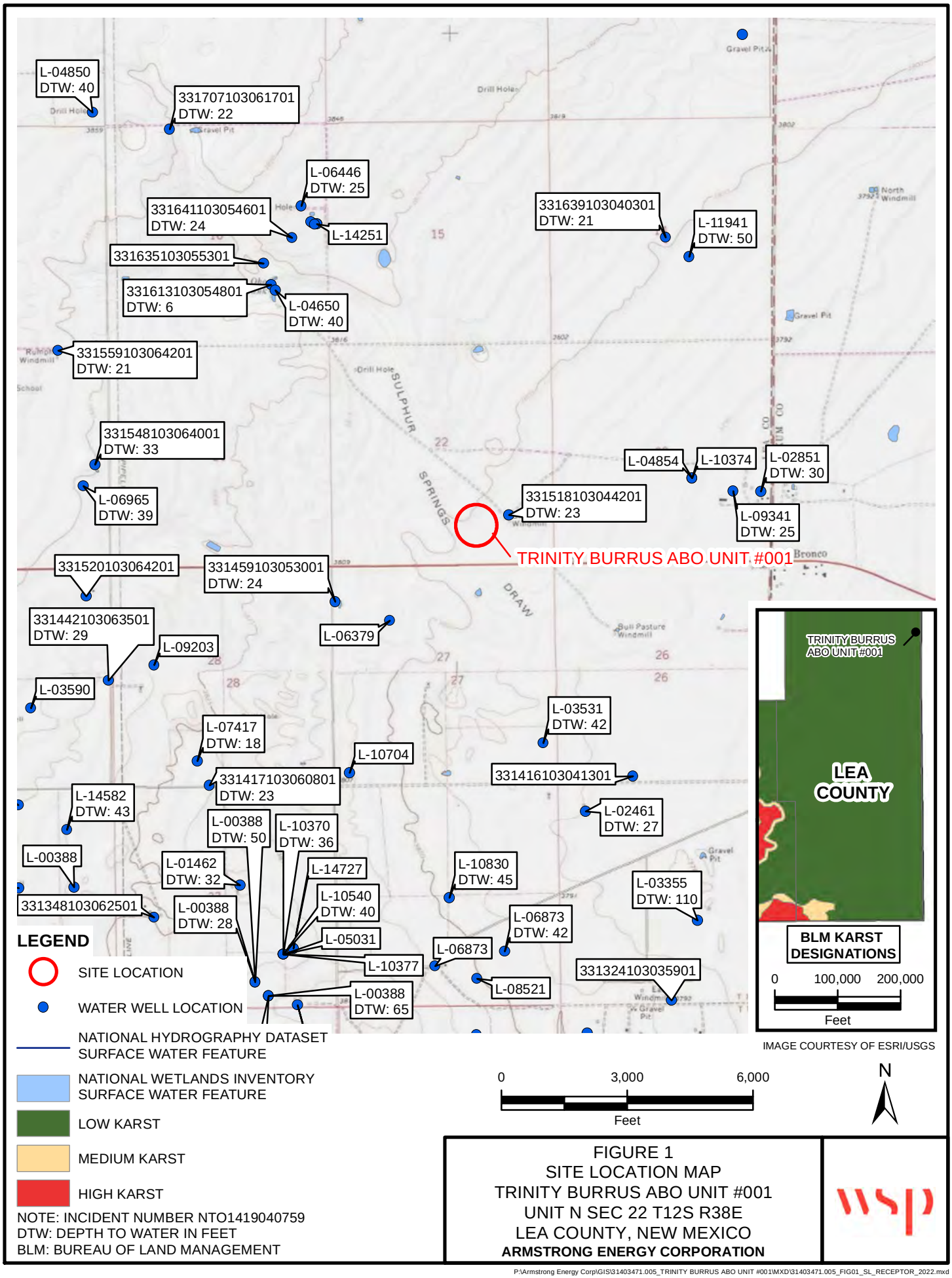

FIGURE 1
SITE LOCATION MAP
TRINITY BURRUS ABO UNIT #001
UNIT N SEC 22 T12S R38E
LEA COUNTY, NEW MEXICO
ARMSTRONG ENERGY CORPORATION

P:\Armstrong Energy Corp\GIS\31403471.005_TRINITY BURRUS ABO UNIT #001\MXD\31403471.005_FIG01_SL_RECEPTOR_2022.mxd

IMAGE COURTESY OF ESRI

LEGEND

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

0 100 200
Feet

N

FIGURE 2
DELINEATION SOIL SAMPLE LOCATIONS
TRINITY BURRUS ABO UNIT #001
UNIT N SEC 22 T12S R38E
LEA COUNTY, NEW MEXICO
ARMSTRONG ENERGY CORPORATION

NOTE: INCIDENT NUMBER NTO1419040759
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

P:\Armstrong Energy Corp\GIS\31403471.005_TRINITY BURRUS ABO UNIT #001\MXD\31403471.005_FIG02_DELINEATION_2022.mxd

LEGEND

FLOOR SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA

GAS LINE

EXCAVATION EXTENT

IMAGE COURTESY OF ESRI

0 50 100

Feet

N

NOTE: INCIDENT NUMBER NTO1419040759
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

FIGURE 3
EXCAVATION SOIL SAMPLE LOCATIONS
TRINITY BURRUS ABO UNIT #001
UNIT N SEC 22 T12S R38E
LEA COUNTY, NEW MEXICO
ARMSTRONG ENERGY CORPORATION

P:\Armstrong Energy Corp\GIS\31403471.005_TRINITY BURRUS ABO UNIT #001\MXD\31403471.005_FIG03_EXCAVATION_2022.mxd

TABLES

Table 1

Soil Analytical Results
Trinity Burrus Abo Unit #001
Incident Number NTO1419040759
Lea 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
Delineation Soil Samples										
BH01	01/31/2022	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	**651**
BH01A	01/31/2022	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	439
BH01B	01/31/2022	3	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	522
BH02	01/31/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	30.1
BH02A	01/31/2022	1	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	24.4
BH02B	01/31/2022	3	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	37.3
BH03	01/31/2022	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	115
BH03A	01/31/2022	1	<0.00200	<0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	118
BH03B	01/31/2022	3	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	67.4
BH04	01/31/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	37.8
BH04A	01/31/2022	1	<0.00200	<0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	51.0
BH04B	01/31/2022	3	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	176
BH05	01/31/2022	0.5	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	599
BH05A	01/31/2022	1	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	507
BH05B	01/31/2022	3	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	470
Excavation Floor Samples										
FS01	02/28/2022	1	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	123
FS02	02/28/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	179
FS03	02/28/2022	1	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	127
FS04	02/28/2022	1	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	62.0
FS05	02/28/2022	1	<0.00198	<0.00396	<49.9	<49.9	<49.9	<49.9	<49.9	249

Notes:

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

ATTACHMENT 1: REFERENCED WELL RECORDS

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 331518103044201 12S.38E.22.44114

Available data for this site SUMMARY OF ALL AVAILABLE DATA GO

Well Site

DESCRIPTION:

Latitude 33°15'36", Longitude 103°04'45" NAD27
Lea County, New Mexico , Hydrologic Unit 12080006
Well depth: not determined.
Land surface altitude: 3,801.10 feet above NGVD29.
Well completed in "High Plains aquifer" (N100HGHPLN) national aquifer.
Well completed in "Ogallala Formation" (121OGLL) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1961-02-09	1996-03-01	5
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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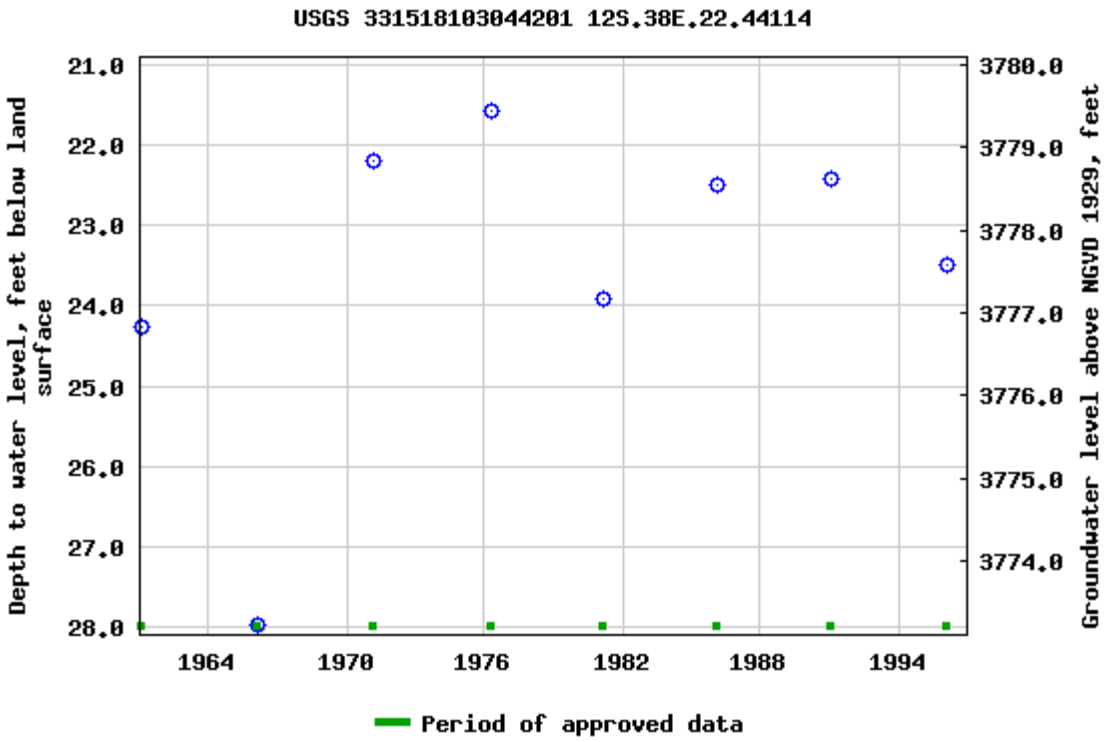
Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-02-17 21:26:45 EST
0.74 0.48 nadww01

ATTACHMENT 2: LITHOLOGIC/SAMPLING LOGS

WSP USA Inc.
508 West Stevens Street
Carlsbad, New Mexico 88220
Compliance · Engineering · Remediation

BH or PH Name: BH01	Date:
Site Name: Trinity Burrus Unit #001	
RP or Incident Number:	
LTE Job Number:	
Logged By: TC	Method: Hand Auger
Lat/Long:	Field Screening: Chloride, PID
Hole Diameter: 3"	Total Depth: 3'

LITHOLOGIC / SOIL SAMPLING LOG

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	750	0.1	Y	BH01	0.5'	0	GP/GC	Dry/poorly graded gravel with sand and Clay Stained a Dark Brown / no odor/some caliche
D/M	560	0.0	Y	A	1'		SAA	no caliche
D/M	498	0.0	Y	B	3'		SAA	som caliche

WSP USA Inc.
508 West Stevens Street
Carlsbad, New Mexico 88220
Compliance · Engineering · Remediation

BH or PH Name: BH02	Date: 1-31-2022
Site Name: Trinity Berros unit #001	
RP or Incident Number:	
LTE Job Number:	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: TC	Method: Hand Auger		
Lat/Long:	Field Screening: Chloride, PID	Hole Diameter: 3"	Total Depth: 3'

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	<168	0.0	Y	BH02	0.5	0	GP/GC	Dry/poorly graded gravel with sand and Clay Stain Dark Brown almost Black/No odor
D/M	<168	0.0	Y		1'		SAA	D/M
D/M	<168	0.1	Y		3'		SAA	D/M hit some caliche at Depth

WSP USA Inc.
508 West Stevens Street
Carlsbad, New Mexico 88220
Compliance · Engineering · Remediation

BH or PH Name: BH03	Date: 1-31-22
Site Name: Trinity Burrus unit#001	
RP or Incident Number:	
LTE Job Number:	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: JC	Method: Hand Auger		
Lat/Long:	Field Screening: Chloride, PID	Hole Diameter: 3"	Total Depth: 3'

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0		
D	<168	0.1	Y	BH03	0.5		GP/GC	Dry/poorly graded gravel with sand and clay/ Stain Dark Brown almost Black/no odor
D/M	<168	0.0	Y		1'		SAA	moist
D/M	<168	0.0	Y		3'		SAA	moist/Caliche at Depth

WSP USA Inc.
508 West Stevens Street
Carlsbad, New Mexico 88220
Compliance · Engineering · Remediation

BH or PH Name: BH04	Date: 1-31-22
Site Name: Trinity Burrus Unit #001	
RP or Incident Number:	
LTE Job Number:	
Logged By: TC	Method: Hand Auger
Lat/Long:	Field Screening: Chloride, PID
Hole Diameter: 3"	Total Depth: 3'

LITHOLOGIC / SOIL SAMPLING LOG

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	<168	0.9	Y	BH04	0.5'	0	GPGC	Dry/poorly graded gravel with sand and Clay Stained Dark Brown almost Black no odor some caliche
D/M	<168	0.3	Y		1'		SAA	-caliche + moisture
D/M	179	0.0	Y		3'		SAA	+caliche + moisture

WSP USA Inc.
508 West Stevens Street
Carlsbad, New Mexico 88220
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BH or PH Name: BH05	Date: 1-31-2022
Site Name: Trinity Burrus unit #001	
RP or Incident Number:	
LTE Job Number:	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: TC	Method: Hand Auger		
Lat/Long:	Field Screening: Chloride, PID	Hole Diameter: 3"	Total Depth: 3'

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
D	560	0.7	Y	BH05-	0.5'	0	GP/GC	Dry/poorly graded gravel with sand and Clay/Stained Dark Brown/no odor some caliche
D/M	498	0.6	Y		1'		SAA	-caliche + moisture
D/M	342	0.4	Y		3'		SAA	+caliche + moisture

ATTACHMENT 3: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
Armstrong Energy Corporation	Trinity Burrus Abo Unit #001 Lea County, New Mexico	NTO1419040759

Photo No.	Date
1	February 28, 2022

View of excavation extent near BH01 location.

Photo No.	Date
2	February 28, 2022

View of excavation area once backfill was complete.

ATTACHMENT 4: LABORATORY ANALYTICAL **REPORTS**

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1900-1
Laboratory Sample Delivery Group: 31403471.005
Client Project/Site: Trinity Burrus Unit #001

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
2/7/2022 4:07:47 PM

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

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Laboratory Job ID: 890-1900-1
SDG: 31403471.005

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1900-1
Project/Site: Trinity Burrus Unit #001 SDG: 31403471.005

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
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
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.
¤	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)

Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Case Narrative

Client: WSP USA Inc. Job ID: 890-1900-1
Project/Site: Trinity Burrus Unit #001 SDG: 31403471.005

Job ID: 890-1900-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-1900-1

Receipt
The samples were received on 2/1/2022 10:35 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 0.8°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-18304 and analytical batch 880-18332 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH01 (890-1900-1) and (880-10781-A-13-F MS). 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.

GC Semi VOA
Method 8015MOD_NM: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 880-18405 and analytical batch 880-18620 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28) These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-18405 and analytical batch 880-18620 were outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-18406 and analytical batch 880-18623 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-1899-A-1-D MS) and (890-1899-A-1-E 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
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-18570 and analytical batch 880-18622 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.

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH01

Lab Sample ID: 890-1900-1
Matrix: Solid
Date Collected: 01/31/22 09:41
Date Received: 02/01/22 10:35
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		02/02/22 11:00	02/02/22 21:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:00	02/02/22 21:33	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:00	02/02/22 21:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/02/22 11:00	02/02/22 21:33	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/02/22 11:00	02/02/22 21:33	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/02/22 11:00	02/02/22 21:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*	*02/02/22 11:00*	*02/02/22 21:33*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/02/22 11:00*	*02/02/22 21:33*	*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			02/07/22 15:34	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			02/07/22 16:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		02/02/22 14:36	02/05/22 19:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 14:36	02/05/22 19:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 14:36	02/05/22 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*64*	*S1-*	*70 - 130*	*02/02/22 14:36*	*02/05/22 19:35*	*1*
o-Terphenyl	*75*		*70 - 130*	*02/02/22 14:36*	*02/05/22 19:35*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**651**		4.97		mg/Kg			02/05/22 04:44	1

Client Sample ID: BH01A

Lab Sample ID: 890-1900-2
Matrix: Solid
Date Collected: 01/31/22 09:43
Date Received: 02/01/22 10:35
Sample Depth: 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/02/22 11:00	02/02/22 21:53	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/02/22 11:00	02/02/22 21:53	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/02/22 11:00	02/02/22 21:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/02/22 11:00	02/02/22 21:53	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/02/22 11:00	02/02/22 21:53	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/02/22 11:00	02/02/22 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/02/22 11:00*	*02/02/22 21:53*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH01A

Lab Sample ID: 890-1900-2
Matrix: Solid
Date Collected: 01/31/22 09:43
Date Received: 02/01/22 10:35
Sample Depth: 1

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/02/22 11:00*	*02/02/22 21:53*	*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			02/07/22 15:34	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			02/07/22 16:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9	mg/Kg		02/02/22 14:36	02/05/22 19:57	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/02/22 14:36	02/05/22 19:57	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/02/22 14:36	02/05/22 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*02/02/22 14:36*	*02/05/22 19:57*	*1*
o-Terphenyl	*93*		*70 - 130*	*02/02/22 14:36*	*02/05/22 19:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**439**		4.95	mg/Kg			02/05/22 04:50	1

Client Sample ID: BH01B

Lab Sample ID: 890-1900-3
Matrix: Solid
Date Collected: 01/31/22 09:47
Date Received: 02/01/22 10:35
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/03/22 09:51	02/04/22 02:07	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/03/22 09:51	02/04/22 02:07	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/03/22 09:51	02/04/22 02:07	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		02/03/22 09:51	02/04/22 02:07	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/03/22 09:51	02/04/22 02:07	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		02/03/22 09:51	02/04/22 02:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/03/22 09:51*	*02/04/22 02:07*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/03/22 09:51*	*02/04/22 02:07*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			02/07/22 15:34	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			02/07/22 16:46	1

Eurofins Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH01B
Date Collected: 01/31/22 09:47
Date Received: 02/01/22 10:35
Sample Depth: 3

Lab Sample ID: 890-1900-3
Matrix: Solid

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		02/02/22 14:36	02/05/22 20:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 14:36	02/05/22 20:18	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 14:36	02/05/22 20:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*68*	*S1-*	*70 - 130*	*02/02/22 14:36*	*02/05/22 20:18*	*1*
o-Terphenyl	*74*		*70 - 130*	*02/02/22 14:36*	*02/05/22 20:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**522**		5.04		mg/Kg			02/05/22 05:09	1

Client Sample ID: BH02
Date Collected: 01/31/22 09:52
Date Received: 02/01/22 10:35
Sample Depth: 0.5

Lab Sample ID: 890-1900-4
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:51	02/04/22 02:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:51	02/04/22 02:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:51	02/04/22 02:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/22 09:51	02/04/22 02:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:51	02/04/22 02:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/22 09:51	02/04/22 02:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*02/03/22 09:51*	*02/04/22 02:27*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/03/22 09:51*	*02/04/22 02:27*	*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			02/07/22 15:34	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			02/07/22 16:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		02/02/22 14:36	02/05/22 20:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 14:36	02/05/22 20:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 14:36	02/05/22 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*82*		*70 - 130*	*02/02/22 14:36*	*02/05/22 20:41*	*1*
o-Terphenyl	*92*		*70 - 130*	*02/02/22 14:36*	*02/05/22 20:41*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH02

Date Collected: 01/31/22 09:52
Date Received: 02/01/22 10:35
Sample Depth: 0.5

Lab Sample ID: 890-1900-4
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.1		4.98		mg/Kg			02/05/22 05:15	1

Client Sample ID: BH02A

Date Collected: 01/31/22 09:54
Date Received: 02/01/22 10:35
Sample Depth: 1

Lab Sample ID: 890-1900-5
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:51	02/04/22 02:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:51	02/04/22 02:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:51	02/04/22 02:47	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/03/22 09:51	02/04/22 02:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:51	02/04/22 02:47	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/03/22 09:51	02/04/22 02:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*02/03/22 09:51*	*02/04/22 02:47*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*02/03/22 09:51*	*02/04/22 02:47*	*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			02/07/22 15:34	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			02/07/22 16:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9		mg/Kg		02/02/22 14:36	02/05/22 21:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/22 14:36	02/05/22 21:02	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/22 14:36	02/05/22 21:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*73*		*70 - 130*	*02/02/22 14:36*	*02/05/22 21:02*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/02/22 14:36*	*02/05/22 21:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.4		4.95		mg/Kg			02/05/22 05:21	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH02B

Lab Sample ID: 890-1900-6
Matrix: Solid
Date Collected: 01/31/22 09:59
Date Received: 02/01/22 10:35
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:51	02/04/22 03:08	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:51	02/04/22 03:08	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:51	02/04/22 03:08	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/03/22 09:51	02/04/22 03:08	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:51	02/04/22 03:08	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/03/22 09:51	02/04/22 03:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/03/22 09:51*	*02/04/22 03:08*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/03/22 09:51*	*02/04/22 03:08*	*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			02/07/22 15:34	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			02/07/22 16:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		02/02/22 14:36	02/05/22 21:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 14:36	02/05/22 21:25	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 14:36	02/05/22 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*02/02/22 14:36*	*02/05/22 21:25*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/02/22 14:36*	*02/05/22 21:25*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.3**		5.00		mg/Kg			02/05/22 05:27	1

Client Sample ID: BH03

Lab Sample ID: 890-1900-7
Matrix: Solid
Date Collected: 01/31/22 10:09
Date Received: 02/01/22 10:35
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		02/03/22 09:51	02/04/22 03:28	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:51	02/04/22 03:28	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:51	02/04/22 03:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/22 09:51	02/04/22 03:28	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:51	02/04/22 03:28	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/22 09:51	02/04/22 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*02/03/22 09:51*	*02/04/22 03:28*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH03

Date Collected: 01/31/22 10:09
Date Received: 02/01/22 10:35
Sample Depth: 0.5

Lab Sample ID: 890-1900-7

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*02/03/22 09:51*	*02/04/22 03:28*	*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			02/07/22 15:34	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			02/07/22 16:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0		mg/Kg		02/02/22 14:36	02/05/22 21:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 14:36	02/05/22 21:46	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 14:36	02/05/22 21:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*02/02/22 14:36*	*02/05/22 21:46*	*1*
o-Terphenyl	*88*		*70 - 130*	*02/02/22 14:36*	*02/05/22 21:46*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**115**		4.99		mg/Kg			02/05/22 05:33	1

Client Sample ID: BH03A

Date Collected: 01/31/22 10:10
Date Received: 02/01/22 10:35
Sample Depth: 1

Lab Sample ID: 890-1900-8

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:51	02/04/22 03:49	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:51	02/04/22 03:49	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:51	02/04/22 03:49	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/03/22 09:51	02/04/22 03:49	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:51	02/04/22 03:49	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/03/22 09:51	02/04/22 03:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*02/03/22 09:51*	*02/04/22 03:49*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/03/22 09:51*	*02/04/22 03:49*	*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			02/07/22 15:34	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			02/07/22 16:46	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH03A

Lab Sample ID: 890-1900-8
Matrix: Solid
Date Collected: 01/31/22 10:10
Date Received: 02/01/22 10:35
Sample Depth: 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		02/02/22 14:36	02/05/22 22:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 14:36	02/05/22 22:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 14:36	02/05/22 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/02/22 14:36*	*02/05/22 22:09*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/02/22 14:36*	*02/05/22 22:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**118**	**F1**	5.00		mg/Kg			02/05/22 05:40	1

Client Sample ID: BH03B

Lab Sample ID: 890-1900-9
Matrix: Solid
Date Collected: 01/31/22 10:14
Date Received: 02/01/22 10:35
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/03/22 09:51	02/04/22 05:39	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/03/22 09:51	02/04/22 05:39	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/03/22 09:51	02/04/22 05:39	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/03/22 09:51	02/04/22 05:39	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/03/22 09:51	02/04/22 05:39	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/03/22 09:51	02/04/22 05:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/03/22 09:51*	*02/04/22 05:39*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/03/22 09:51*	*02/04/22 05:39*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/07/22 15:34	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			02/07/22 16:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9		mg/Kg		02/02/22 14:36	02/05/22 22:31	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/22 14:36	02/05/22 22:31	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/22 14:36	02/05/22 22:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*02/02/22 14:36*	*02/05/22 22:31*	*1*
o-Terphenyl	*97*		*70 - 130*	*02/02/22 14:36*	*02/05/22 22:31*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH03B

Lab Sample ID: 890-1900-9
Matrix: Solid
Date Collected: 01/31/22 10:14
Date Received: 02/01/22 10:35
Sample Depth: 3

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.4		4.99		mg/Kg			02/05/22 05:58	1

Client Sample ID: BH04

Lab Sample ID: 890-1900-10
Matrix: Solid
Date Collected: 01/31/22 10:20
Date Received: 02/01/22 10:35
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		02/03/22 09:51	02/04/22 05:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:51	02/04/22 05:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:51	02/04/22 05:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/22 09:51	02/04/22 05:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:51	02/04/22 05:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/22 09:51	02/04/22 05:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/03/22 09:51*	*02/04/22 05:59*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/03/22 09:51*	*02/04/22 05:59*	*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			02/07/22 15:34	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			02/07/22 16:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9		mg/Kg		02/02/22 14:36	02/05/22 22:52	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/22 14:36	02/05/22 22:52	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/22 14:36	02/05/22 22:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*02/02/22 14:36*	*02/05/22 22:52*	*1*
o-Terphenyl	*100*		*70 - 130*	*02/02/22 14:36*	*02/05/22 22:52*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37.8		4.95		mg/Kg			02/05/22 06:04	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH04A

Lab Sample ID: 890-1900-11
Matrix: Solid
Date Collected: 01/31/22 10:22
Date Received: 02/01/22 10:35
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		02/03/22 09:51	02/04/22 06:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:51	02/04/22 06:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:51	02/04/22 06:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/03/22 09:51	02/04/22 06:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:51	02/04/22 06:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/03/22 09:51	02/04/22 06:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/03/22 09:51*	*02/04/22 06:20*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*02/03/22 09:51*	*02/04/22 06:20*	*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			02/07/22 15:34	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			02/07/22 16:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/02/22 14:28	02/05/22 18:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/02/22 14:28	02/05/22 18:59	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/22 14:28	02/05/22 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*02/02/22 14:28*	*02/05/22 18:59*	*1*
o-Terphenyl	*94*		*70 - 130*	*02/02/22 14:28*	*02/05/22 18:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.0**		5.05		mg/Kg			02/05/22 06:23	1

Client Sample ID: BH04B

Lab Sample ID: 890-1900-12
Matrix: Solid
Date Collected: 01/31/22 10:26
Date Received: 02/01/22 10:35
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:51	02/04/22 06:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:51	02/04/22 06:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:51	02/04/22 06:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/03/22 09:51	02/04/22 06:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/03/22 09:51	02/04/22 06:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/03/22 09:51	02/04/22 06:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*02/03/22 09:51*	*02/04/22 06:40*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH04B

Date Collected: 01/31/22 10:26
Date Received: 02/01/22 10:35
Sample Depth: 3

Lab Sample ID: 890-1900-12

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*	*02/03/22 09:51*	*02/04/22 06:40*	*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			02/07/22 15:34	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			02/07/22 16:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/02/22 14:28	02/05/22 19:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		02/02/22 14:28	02/05/22 19:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 14:28	02/05/22 19:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*86*		*70 - 130*	*02/02/22 14:28*	*02/05/22 19:19*	*1*
o-Terphenyl	*88*		*70 - 130*	*02/02/22 14:28*	*02/05/22 19:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**176**		5.04		mg/Kg			02/05/22 06:29	1

Client Sample ID: BH05

Date Collected: 01/31/22 10:32
Date Received: 02/01/22 10:35
Sample Depth: 0.5

Lab Sample ID: 890-1900-13

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:51	02/04/22 07:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:51	02/04/22 07:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:51	02/04/22 07:01	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/03/22 09:51	02/04/22 07:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/03/22 09:51	02/04/22 07:01	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/03/22 09:51	02/04/22 07:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*02/03/22 09:51*	*02/04/22 07:01*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/03/22 09:51*	*02/04/22 07:01*	*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			02/07/22 15:34	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			02/07/22 16:46	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH05

Date Collected: 01/31/22 10:32
Date Received: 02/01/22 10:35
Sample Depth: 0.5

Lab Sample ID: 890-1900-13
Matrix: Solid

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		02/02/22 14:28	02/05/22 19:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		02/02/22 14:28	02/05/22 19:41	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 14:28	02/05/22 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*02/02/22 14:28*	*02/05/22 19:41*	*1*
o-Terphenyl	*88*		*70 - 130*	*02/02/22 14:28*	*02/05/22 19:41*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**599**		4.99		mg/Kg			02/05/22 06:35	1

Client Sample ID: BH05A

Date Collected: 01/31/22 10:33
Date Received: 02/01/22 10:35
Sample Depth: 1

Lab Sample ID: 890-1900-14
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/03/22 09:51	02/04/22 07:21	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/03/22 09:51	02/04/22 07:21	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/03/22 09:51	02/04/22 07:21	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/03/22 09:51	02/04/22 07:21	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/03/22 09:51	02/04/22 07:21	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/03/22 09:51	02/04/22 07:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*02/03/22 09:51*	*02/04/22 07:21*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/03/22 09:51*	*02/04/22 07:21*	*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			02/07/22 15:34	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			02/07/22 16:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/02/22 14:28	02/05/22 20:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U *+	50.0		mg/Kg		02/02/22 14:28	02/05/22 20:02	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 14:28	02/05/22 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*02/02/22 14:28*	*02/05/22 20:02*	*1*
o-Terphenyl	*88*		*70 - 130*	*02/02/22 14:28*	*02/05/22 20:02*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH05A

Lab Sample ID: 890-1900-14
Matrix: Solid
Date Collected: 01/31/22 10:33
Date Received: 02/01/22 10:35
Sample Depth: 1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	507		4.98		mg/Kg			02/05/22 06:41	1

Client Sample ID: BH05B

Lab Sample ID: 890-1900-15
Matrix: Solid
Date Collected: 01/31/22 10:36
Date Received: 02/01/22 10:35
Sample Depth: 3

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:51	02/04/22 07:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:51	02/04/22 07:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:51	02/04/22 07:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/03/22 09:51	02/04/22 07:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/03/22 09:51	02/04/22 07:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/03/22 09:51	02/04/22 07:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*157*	*S1+*	*70 - 130*	*02/03/22 09:51*	*02/04/22 07:41*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*02/03/22 09:51*	*02/04/22 07:41*	*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			02/07/22 15:34	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			02/07/22 16:46	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/02/22 14:28	02/05/22 20:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U *+	49.9		mg/Kg		02/02/22 14:28	02/05/22 20:23	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/22 14:28	02/05/22 20:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*02/02/22 14:28*	*02/05/22 20:23*	*1*
o-Terphenyl	*104*		*70 - 130*	*02/02/22 14:28*	*02/05/22 20:23*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	470		5.00		mg/Kg			02/05/22 06:47	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

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)
880-10781-A-13-F MS	Matrix Spike	137 S1+	107
880-10781-A-13-G MSD	Matrix Spike Duplicate	116	83
880-10891-A-22-D MS	Matrix Spike	114	94
880-10891-A-22-E MSD	Matrix Spike Duplicate	126	101
890-1900-1	BH01	136 S1+	94
890-1900-2	BH01A	113	96
890-1900-3	BH01B	112	92
890-1900-4	BH02	125	97
890-1900-5	BH02A	126	97
890-1900-6	BH02B	120	87
890-1900-7	BH03	134 S1+	114
890-1900-8	BH03A	127	104
890-1900-9	BH03B	120	100
890-1900-10	BH04	120	101
890-1900-11	BH04A	112	89
890-1900-12	BH04B	131 S1+	114
890-1900-13	BH05	126	94
890-1900-14	BH05A	124	100
890-1900-15	BH05B	157 S1+	115
LCS 880-18304/1-A	Lab Control Sample	116	98
LCS 880-18464/1-A	Lab Control Sample	117	101
LCSD 880-18304/2-A	Lab Control Sample Dup	110	95
LCSD 880-18464/2-A	Lab Control Sample Dup	114	102
MB 880-18304/5-A	Method Blank	127	101
MB 880-18464/5-A	Method Blank	122	101

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)
880-10891-A-21-D MS	Matrix Spike	72	75
880-10891-A-21-E MSD	Matrix Spike Duplicate	96	86
890-1899-A-1-D MS	Matrix Spike	61 S1-	60 S1-
890-1899-A-1-E MSD	Matrix Spike Duplicate	68 S1-	67 S1-
890-1900-1	BH01	64 S1-	75
890-1900-2	BH01A	84	93
890-1900-3	BH01B	68 S1-	74
890-1900-4	BH02	82	92
890-1900-5	BH02A	73	82
890-1900-6	BH02B	71	79
890-1900-7	BH03	78	88
890-1900-8	BH03A	72	81
890-1900-9	BH03B	87	97
890-1900-10	BH04	89	100

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1900-1
Project/Site: Trinity Burrus Unit #001 SDG: 31403471.005

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-1900-11	BH04A	91	94								
890-1900-12	BH04B	86	88								
890-1900-13	BH05	87	88								
890-1900-14	BH05A	86	88								
890-1900-15	BH05B	102	104								
LCS 880-18406/2-A	Lab Control Sample	91	96								
LCSD 880-18406/3-A	Lab Control Sample Dup	86	89								
MB 880-18406/1-A	Method Blank	72	85								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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	1CO2 (70-130)	OTPH2 (70-130)								
LCS 880-18405/2-A	Lab Control Sample	104	109								
LCSD 880-18405/3-A	Lab Control Sample Dup	97	103								
MB 880-18405/1-A	Method Blank	96	97								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-18304/5-A
Matrix: Solid
Analysis Batch: 18332

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18304

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/01/22 15:55	02/02/22 11:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/01/22 15:55	02/02/22 11:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/01/22 15:55	02/02/22 11:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/01/22 15:55	02/02/22 11:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/01/22 15:55	02/02/22 11:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/01/22 15:55	02/02/22 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*02/01/22 15:55*	*02/02/22 11:47*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/01/22 15:55*	*02/02/22 11:47*	*1*

Lab Sample ID: LCS 880-18304/1-A
Matrix: Solid
Analysis Batch: 18332

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18304

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09003		mg/Kg		90	70 - 130		
Toluene			0.100	0.08941		mg/Kg		89	70 - 130		
Ethylbenzene			0.100	0.09570		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene			0.200	0.1813		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.09235		mg/Kg		92	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 880-18304/2-A
Matrix: Solid
Analysis Batch: 18332

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 18304

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07256		mg/Kg		73	70 - 130	21	35
Toluene			0.100	0.08402		mg/Kg		84	70 - 130	6	35
Ethylbenzene			0.100	0.09237		mg/Kg		92	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1772		mg/Kg		89	70 - 130	2	35
o-Xylene			0.100	0.08689		mg/Kg		87	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 880-10781-A-13-F MS
Matrix: Solid
Analysis Batch: 18332

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 18304

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U F2 F1	0.0998	0.07646		mg/Kg		77	70 - 130		
Toluene	<0.00199	U F2 F1	0.0998	0.08485		mg/Kg		85	70 - 130		

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1900-1
Project/Site: Trinity Burrus Unit #001 SDG: 31403471.005

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

Lab Sample ID: 880-10781-A-13-F MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 18332 **Prep Batch: 18304**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U F2 F1	0.0998	0.09338		mg/Kg		94	70 - 130
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.1752		mg/Kg		88	70 - 130
o-Xylene	<0.00199	U F1	0.0998	0.09049		mg/Kg		91	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: 880-10781-A-13-G MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 18332 **Prep Batch: 18304**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F2 F1	0.100	0.05244	F2 F1	mg/Kg		52	70 - 130	37	35
Toluene	<0.00199	U F2 F1	0.100	0.05902	F2 F1	mg/Kg		59	70 - 130	36	35
Ethylbenzene	<0.00199	U F2 F1	0.100	0.06182	F2 F1	mg/Kg		62	70 - 130	41	35
m-Xylene & p-Xylene	<0.00398	U F2 F1	0.200	0.1206	F2 F1	mg/Kg		60	70 - 130	37	35
o-Xylene	<0.00199	U F1	0.100	0.06909	F1	mg/Kg		69	70 - 130	27	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*83*		*70 - 130*

Lab Sample ID: MB 880-18464/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 18466 **Prep Batch: 18464**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/03/22 09:51	02/04/22 00:16	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/03/22 09:51	02/04/22 00:16	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/03/22 09:51	02/04/22 00:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/03/22 09:51	02/04/22 00:16	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/03/22 09:51	02/04/22 00:16	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/03/22 09:51	02/04/22 00:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*02/03/22 09:51*	*02/04/22 00:16*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/03/22 09:51*	*02/04/22 00:16*	*1*

Lab Sample ID: LCS 880-18464/1-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 18466 **Prep Batch: 18464**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.07101		mg/Kg		71	70 - 130
Toluene	0.100	0.07805		mg/Kg		78	70 - 130
Ethylbenzene	0.100	0.08818		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	0.200	0.1715		mg/Kg		86	70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

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

Lab Sample ID: LCS 880-18464/1-A
Matrix: Solid
Analysis Batch: 18466

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18464

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
o-Xylene			0.100	0.08957		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-18464/2-A
Matrix: Solid
Analysis Batch: 18466

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 18464

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07297		mg/Kg		73	70 - 130	3	35
Toluene			0.100	0.07640		mg/Kg		76	70 - 130	2	35
Ethylbenzene			0.100	0.08377		mg/Kg		84	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1657		mg/Kg		83	70 - 130	3	35
o-Xylene			0.100	0.08049		mg/Kg		80	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-10891-A-22-D MS
Matrix: Solid
Analysis Batch: 18466

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 18464

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.0990	0.07275		mg/Kg		73	70 - 130		
Toluene	<0.00200	U	0.0990	0.07524		mg/Kg		76	70 - 130		
Ethylbenzene	<0.00200	U	0.0990	0.08490		mg/Kg		86	70 - 130		
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1616		mg/Kg		82	70 - 130		
o-Xylene	<0.00200	U	0.0990	0.08427		mg/Kg		85	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 880-10891-A-22-E MSD
Matrix: Solid
Analysis Batch: 18466

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 18464

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.08263		mg/Kg		82	70 - 130	13	35
Toluene	<0.00200	U	0.100	0.09422		mg/Kg		94	70 - 130	22	35
Ethylbenzene	<0.00200	U	0.100	0.09487		mg/Kg		94	70 - 130	11	35
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1886		mg/Kg		94	70 - 130	15	35
o-Xylene	<0.00200	U	0.100	0.09185		mg/Kg		91	70 - 130	9	35

QC Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

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

Lab Sample ID: 880-10891-A-22-E MSD
Matrix: Solid
Analysis Batch: 18466

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 18464

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	126		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

Lab Sample ID: MB 880-18405/1-A
Matrix: Solid
Analysis Batch: 18620

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18405

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		02/02/22 14:28	02/05/22 11:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 14:28	02/05/22 11:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 14:28	02/05/22 11:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	02/02/22 14:28	02/05/22 11:54	1
o-Terphenyl	97		70 - 130	02/02/22 14:28	02/05/22 11:54	1

Lab Sample ID: LCS 880-18405/2-A
Matrix: Solid
Analysis Batch: 18620

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18405

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1218		mg/Kg		122	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1331	*+	mg/Kg		133	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: LCSD 880-18405/3-A
Matrix: Solid
Analysis Batch: 18620

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 18405

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1098		mg/Kg		110	70 - 130	10	20
Diesel Range Organics (Over C10-C28)			1000	1165		mg/Kg		117	70 - 130	13	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	103		70 - 130

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1900-1
Project/Site: Trinity Burrus Unit #001 SDG: 31403471.005

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

Lab Sample ID: 880-10891-A-21-D MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 18620 **Prep Batch: 18405**

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	996.6		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U *+ F1 F2	1000	1008		mg/Kg		101	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*72*		*70 - 130*
o-Terphenyl	*75*		*70 - 130*

Lab Sample ID: 880-10891-A-21-E MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 18620 **Prep Batch: 18405**

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	1148		mg/Kg		112	70 - 130	14	20
Diesel Range Organics (Over C10-C28)	<50.0	U *+ F1 F2	998	1328	F1 F2	mg/Kg		133	70 - 130	27	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*96*		*70 - 130*
o-Terphenyl	*86*		*70 - 130*

Lab Sample ID: MB 880-18406/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 18623 **Prep Batch: 18406**

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		02/02/22 14:36	02/05/22 13:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/22 14:36	02/05/22 13:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/22 14:36	02/05/22 13:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/02/22 14:36*	*02/05/22 13:43*	*1*
o-Terphenyl	*85*		*70 - 130*	*02/02/22 14:36*	*02/05/22 13:43*	*1*

Lab Sample ID: LCS 880-18406/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 18623 **Prep Batch: 18406**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	694.9	*-	mg/Kg		69	70 - 130
Diesel Range Organics (Over C10-C28)			1000	953.7		mg/Kg		95	70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

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

Lab Sample ID: LCS 880-18406/2-A
Matrix: Solid
Analysis Batch: 18623

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18406

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: LCSD 880-18406/3-A
Matrix: Solid
Analysis Batch: 18623

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 18406

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	785.5		mg/Kg		79	70 - 130	12	20
Diesel Range Organics (Over C10-C28)			1000	996.3		mg/Kg		100	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 890-1899-A-1-D MS
Matrix: Solid
Analysis Batch: 18623

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 18406

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	798.7		mg/Kg		77	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	918.7		mg/Kg		92	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	61	S1-	70 - 130
o-Terphenyl	60	S1-	70 - 130

Lab Sample ID: 890-1899-A-1-E MSD
Matrix: Solid
Analysis Batch: 18623

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 18406

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	810.1		mg/Kg		78	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1057		mg/Kg		106	70 - 130	14	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	68	S1-	70 - 130
o-Terphenyl	67	S1-	70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-18570/1-A
Matrix: Solid
Analysis Batch: 18622

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			02/05/22 03:55	1

Lab Sample ID: LCS 880-18570/2-A
Matrix: Solid
Analysis Batch: 18622

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	267.9		mg/Kg		107	90 - 110		

Lab Sample ID: LCSD 880-18570/3-A
Matrix: Solid
Analysis Batch: 18622

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	246.7		mg/Kg		99	90 - 110	8	20

Lab Sample ID: 890-1900-8 MS
Matrix: Solid
Analysis Batch: 18622

Client Sample ID: BH03A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	118	F1	250	346.9		mg/Kg		92	90 - 110		

Lab Sample ID: 890-1900-8 MSD
Matrix: Solid
Analysis Batch: 18622

Client Sample ID: BH03A
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	118	F1	250	398.5	F1	mg/Kg		112	90 - 110	14	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1900-1
Project/Site: Trinity Burrus Unit #001 SDG: 31403471.005

GC VOA

Prep Batch: 18304

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-1	BH01	Total/NA	Solid	5035	
890-1900-2	BH01A	Total/NA	Solid	5035	
MB 880-18304/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18304/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18304/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10781-A-13-F MS	Matrix Spike	Total/NA	Solid	5035	
880-10781-A-13-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 18332

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-1	BH01	Total/NA	Solid	8021B	18304
890-1900-2	BH01A	Total/NA	Solid	8021B	18304
MB 880-18304/5-A	Method Blank	Total/NA	Solid	8021B	18304
LCS 880-18304/1-A	Lab Control Sample	Total/NA	Solid	8021B	18304
LCSD 880-18304/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18304
880-10781-A-13-F MS	Matrix Spike	Total/NA	Solid	8021B	18304
880-10781-A-13-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	18304

Prep Batch: 18464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-3	BH01B	Total/NA	Solid	5035	
890-1900-4	BH02	Total/NA	Solid	5035	
890-1900-5	BH02A	Total/NA	Solid	5035	
890-1900-6	BH02B	Total/NA	Solid	5035	
890-1900-7	BH03	Total/NA	Solid	5035	
890-1900-8	BH03A	Total/NA	Solid	5035	
890-1900-9	BH03B	Total/NA	Solid	5035	
890-1900-10	BH04	Total/NA	Solid	5035	
890-1900-11	BH04A	Total/NA	Solid	5035	
890-1900-12	BH04B	Total/NA	Solid	5035	
890-1900-13	BH05	Total/NA	Solid	5035	
890-1900-14	BH05A	Total/NA	Solid	5035	
890-1900-15	BH05B	Total/NA	Solid	5035	
MB 880-18464/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18464/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18464/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-10891-A-22-D MS	Matrix Spike	Total/NA	Solid	5035	
880-10891-A-22-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 18466

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-3	BH01B	Total/NA	Solid	8021B	18464
890-1900-4	BH02	Total/NA	Solid	8021B	18464
890-1900-5	BH02A	Total/NA	Solid	8021B	18464
890-1900-6	BH02B	Total/NA	Solid	8021B	18464
890-1900-7	BH03	Total/NA	Solid	8021B	18464
890-1900-8	BH03A	Total/NA	Solid	8021B	18464
890-1900-9	BH03B	Total/NA	Solid	8021B	18464
890-1900-10	BH04	Total/NA	Solid	8021B	18464
890-1900-11	BH04A	Total/NA	Solid	8021B	18464
890-1900-12	BH04B	Total/NA	Solid	8021B	18464

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1900-1
Project/Site: Trinity Burrus Unit #001 SDG: 31403471.005

GC VOA (Continued)

Analysis Batch: 18466 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-13	BH05	Total/NA	Solid	8021B	18464
890-1900-14	BH05A	Total/NA	Solid	8021B	18464
890-1900-15	BH05B	Total/NA	Solid	8021B	18464
MB 880-18464/5-A	Method Blank	Total/NA	Solid	8021B	18464
LCS 880-18464/1-A	Lab Control Sample	Total/NA	Solid	8021B	18464
LCSD 880-18464/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18464
880-10891-A-22-D MS	Matrix Spike	Total/NA	Solid	8021B	18464
880-10891-A-22-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	18464

Analysis Batch: 18770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-1	BH01	Total/NA	Solid	Total BTEX	
890-1900-2	BH01A	Total/NA	Solid	Total BTEX	
890-1900-3	BH01B	Total/NA	Solid	Total BTEX	
890-1900-4	BH02	Total/NA	Solid	Total BTEX	
890-1900-5	BH02A	Total/NA	Solid	Total BTEX	
890-1900-6	BH02B	Total/NA	Solid	Total BTEX	
890-1900-7	BH03	Total/NA	Solid	Total BTEX	
890-1900-8	BH03A	Total/NA	Solid	Total BTEX	
890-1900-9	BH03B	Total/NA	Solid	Total BTEX	
890-1900-10	BH04	Total/NA	Solid	Total BTEX	
890-1900-11	BH04A	Total/NA	Solid	Total BTEX	
890-1900-12	BH04B	Total/NA	Solid	Total BTEX	
890-1900-13	BH05	Total/NA	Solid	Total BTEX	
890-1900-14	BH05A	Total/NA	Solid	Total BTEX	
890-1900-15	BH05B	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 18405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-11	BH04A	Total/NA	Solid	8015NM Prep	
890-1900-12	BH04B	Total/NA	Solid	8015NM Prep	
890-1900-13	BH05	Total/NA	Solid	8015NM Prep	
890-1900-14	BH05A	Total/NA	Solid	8015NM Prep	
890-1900-15	BH05B	Total/NA	Solid	8015NM Prep	
MB 880-18405/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18405/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18405/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-10891-A-21-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-10891-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 18406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-1	BH01	Total/NA	Solid	8015NM Prep	
890-1900-2	BH01A	Total/NA	Solid	8015NM Prep	
890-1900-3	BH01B	Total/NA	Solid	8015NM Prep	
890-1900-4	BH02	Total/NA	Solid	8015NM Prep	
890-1900-5	BH02A	Total/NA	Solid	8015NM Prep	
890-1900-6	BH02B	Total/NA	Solid	8015NM Prep	
890-1900-7	BH03	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1900-1
Project/Site: Trinity Burrus Unit #001 SDG: 31403471.005

GC Semi VOA (Continued)

Prep Batch: 18406 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-8	BH03A	Total/NA	Solid	8015NM Prep	
890-1900-9	BH03B	Total/NA	Solid	8015NM Prep	
890-1900-10	BH04	Total/NA	Solid	8015NM Prep	
MB 880-18406/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-18406/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-18406/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1899-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1899-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 18620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-11	BH04A	Total/NA	Solid	8015B NM	18405
890-1900-12	BH04B	Total/NA	Solid	8015B NM	18405
890-1900-13	BH05	Total/NA	Solid	8015B NM	18405
890-1900-14	BH05A	Total/NA	Solid	8015B NM	18405
890-1900-15	BH05B	Total/NA	Solid	8015B NM	18405
MB 880-18405/1-A	Method Blank	Total/NA	Solid	8015B NM	18405
LCS 880-18405/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18405
LCSD 880-18405/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18405
880-10891-A-21-D MS	Matrix Spike	Total/NA	Solid	8015B NM	18405
880-10891-A-21-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	18405

Analysis Batch: 18623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-1	BH01	Total/NA	Solid	8015B NM	18406
890-1900-2	BH01A	Total/NA	Solid	8015B NM	18406
890-1900-3	BH01B	Total/NA	Solid	8015B NM	18406
890-1900-4	BH02	Total/NA	Solid	8015B NM	18406
890-1900-5	BH02A	Total/NA	Solid	8015B NM	18406
890-1900-6	BH02B	Total/NA	Solid	8015B NM	18406
890-1900-7	BH03	Total/NA	Solid	8015B NM	18406
890-1900-8	BH03A	Total/NA	Solid	8015B NM	18406
890-1900-9	BH03B	Total/NA	Solid	8015B NM	18406
890-1900-10	BH04	Total/NA	Solid	8015B NM	18406
MB 880-18406/1-A	Method Blank	Total/NA	Solid	8015B NM	18406
LCS 880-18406/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	18406
LCSD 880-18406/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	18406
890-1899-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	18406
890-1899-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	18406

Analysis Batch: 18777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-1	BH01	Total/NA	Solid	8015 NM	
890-1900-2	BH01A	Total/NA	Solid	8015 NM	
890-1900-3	BH01B	Total/NA	Solid	8015 NM	
890-1900-4	BH02	Total/NA	Solid	8015 NM	
890-1900-5	BH02A	Total/NA	Solid	8015 NM	
890-1900-6	BH02B	Total/NA	Solid	8015 NM	
890-1900-7	BH03	Total/NA	Solid	8015 NM	
890-1900-8	BH03A	Total/NA	Solid	8015 NM	
890-1900-9	BH03B	Total/NA	Solid	8015 NM	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1900-1
Project/Site: Trinity Burrus Unit #001 SDG: 31403471.005

GC Semi VOA (Continued)

Analysis Batch: 18777 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-10	BH04	Total/NA	Solid	8015 NM	
890-1900-11	BH04A	Total/NA	Solid	8015 NM	
890-1900-12	BH04B	Total/NA	Solid	8015 NM	
890-1900-13	BH05	Total/NA	Solid	8015 NM	
890-1900-14	BH05A	Total/NA	Solid	8015 NM	
890-1900-15	BH05B	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 18570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-1	BH01	Soluble	Solid	DI Leach	
890-1900-2	BH01A	Soluble	Solid	DI Leach	
890-1900-3	BH01B	Soluble	Solid	DI Leach	
890-1900-4	BH02	Soluble	Solid	DI Leach	
890-1900-5	BH02A	Soluble	Solid	DI Leach	
890-1900-6	BH02B	Soluble	Solid	DI Leach	
890-1900-7	BH03	Soluble	Solid	DI Leach	
890-1900-8	BH03A	Soluble	Solid	DI Leach	
890-1900-9	BH03B	Soluble	Solid	DI Leach	
890-1900-10	BH04	Soluble	Solid	DI Leach	
890-1900-11	BH04A	Soluble	Solid	DI Leach	
890-1900-12	BH04B	Soluble	Solid	DI Leach	
890-1900-13	BH05	Soluble	Solid	DI Leach	
890-1900-14	BH05A	Soluble	Solid	DI Leach	
890-1900-15	BH05B	Soluble	Solid	DI Leach	
MB 880-18570/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-18570/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-18570/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1900-8 MS	BH03A	Soluble	Solid	DI Leach	
890-1900-8 MSD	BH03A	Soluble	Solid	DI Leach	

Analysis Batch: 18622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1900-1	BH01	Soluble	Solid	300.0	18570
890-1900-2	BH01A	Soluble	Solid	300.0	18570
890-1900-3	BH01B	Soluble	Solid	300.0	18570
890-1900-4	BH02	Soluble	Solid	300.0	18570
890-1900-5	BH02A	Soluble	Solid	300.0	18570
890-1900-6	BH02B	Soluble	Solid	300.0	18570
890-1900-7	BH03	Soluble	Solid	300.0	18570
890-1900-8	BH03A	Soluble	Solid	300.0	18570
890-1900-9	BH03B	Soluble	Solid	300.0	18570
890-1900-10	BH04	Soluble	Solid	300.0	18570
890-1900-11	BH04A	Soluble	Solid	300.0	18570
890-1900-12	BH04B	Soluble	Solid	300.0	18570
890-1900-13	BH05	Soluble	Solid	300.0	18570
890-1900-14	BH05A	Soluble	Solid	300.0	18570
890-1900-15	BH05B	Soluble	Solid	300.0	18570
MB 880-18570/1-A	Method Blank	Soluble	Solid	300.0	18570
LCS 880-18570/2-A	Lab Control Sample	Soluble	Solid	300.0	18570

QC Association Summary

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

HPLC/IC (Continued)

Analysis Batch: 18622 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-18570/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	18570
890-1900-8 MS	BH03A	Soluble	Solid	300.0	18570
890-1900-8 MSD	BH03A	Soluble	Solid	300.0	18570

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH01
Date Collected: 01/31/22 09:41
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-1
Matrix: Solid

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	18304	02/02/22 11:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18332	02/02/22 21:33	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18406	02/02/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18623	02/05/22 19:35	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 04:44	CH	XEN MID

Client Sample ID: BH01A
Date Collected: 01/31/22 09:43
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-2
Matrix: Solid

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	18304	02/02/22 11:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18332	02/02/22 21:53	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18406	02/02/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18623	02/05/22 19:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 04:50	CH	XEN MID

Client Sample ID: BH01B
Date Collected: 01/31/22 09:47
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	18464	02/03/22 09:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18466	02/04/22 02:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18406	02/02/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18623	02/05/22 20:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 05:09	CH	XEN MID

Client Sample ID: BH02
Date Collected: 01/31/22 09:52
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	18464	02/03/22 09:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18466	02/04/22 02:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH02
Date Collected: 01/31/22 09:52
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18406	02/02/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18623	02/05/22 20:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 05:15	CH	XEN MID

Client Sample ID: BH02A
Date Collected: 01/31/22 09:54
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-5
Matrix: Solid

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	18464	02/03/22 09:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18466	02/04/22 02:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18406	02/02/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18623	02/05/22 21:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 05:21	CH	XEN MID

Client Sample ID: BH02B
Date Collected: 01/31/22 09:59
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-6
Matrix: Solid

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	18464	02/03/22 09:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18466	02/04/22 03:08	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18406	02/02/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18623	02/05/22 21:25	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 05:27	CH	XEN MID

Client Sample ID: BH03
Date Collected: 01/31/22 10:09
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-7
Matrix: Solid

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	18464	02/03/22 09:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18466	02/04/22 03:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18406	02/02/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18623	02/05/22 21:46	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH03
Date Collected: 01/31/22 10:09
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 05:33	CH	XEN MID

Client Sample ID: BH03A
Date Collected: 01/31/22 10:10
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-8
Matrix: Solid

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	18464	02/03/22 09:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18466	02/04/22 03:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18406	02/02/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18623	02/05/22 22:09	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 05:40	CH	XEN MID

Client Sample ID: BH03B
Date Collected: 01/31/22 10:14
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	18464	02/03/22 09:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18466	02/04/22 05:39	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18406	02/02/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18623	02/05/22 22:31	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 05:58	CH	XEN MID

Client Sample ID: BH04
Date Collected: 01/31/22 10:20
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	18464	02/03/22 09:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18466	02/04/22 05:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	18406	02/02/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18623	02/05/22 22:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 06:04	CH	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH04A
Date Collected: 01/31/22 10:22
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-11
Matrix: Solid

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	18464	02/03/22 09:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18466	02/04/22 06:20	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18405	02/02/22 14:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18620	02/05/22 18:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 06:23	CH	XEN MID

Client Sample ID: BH04B
Date Collected: 01/31/22 10:26
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	18464	02/03/22 09:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18466	02/04/22 06:40	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18405	02/02/22 14:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18620	02/05/22 19:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 06:29	CH	XEN MID

Client Sample ID: BH05
Date Collected: 01/31/22 10:32
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-13
Matrix: Solid

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	18464	02/03/22 09:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18466	02/04/22 07:01	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	18405	02/02/22 14:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18620	02/05/22 19:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 06:35	CH	XEN MID

Client Sample ID: BH05A
Date Collected: 01/31/22 10:33
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	18464	02/03/22 09:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18466	02/04/22 07:21	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Client Sample ID: BH05A
Date Collected: 01/31/22 10:33
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	18405	02/02/22 14:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18620	02/05/22 20:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 06:41	CH	XEN MID

Client Sample ID: BH05B
Date Collected: 01/31/22 10:36
Date Received: 02/01/22 10:35

Lab Sample ID: 890-1900-15
Matrix: Solid

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	18464	02/03/22 09:51	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18466	02/04/22 07:41	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18405	02/02/22 14:28	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18620	02/05/22 20:23	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	18570	02/04/22 12:40	CH	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 06:47	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: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

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: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

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: Trinity Burrus Unit #001

Job ID: 890-1900-1
SDG: 31403471.005

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1900-1	BH01	Solid	01/31/22 09:41	02/01/22 10:35	0.5
890-1900-2	BH01A	Solid	01/31/22 09:43	02/01/22 10:35	1
890-1900-3	BH01B	Solid	01/31/22 09:47	02/01/22 10:35	3
890-1900-4	BH02	Solid	01/31/22 09:52	02/01/22 10:35	0.5
890-1900-5	BH02A	Solid	01/31/22 09:54	02/01/22 10:35	1
890-1900-6	BH02B	Solid	01/31/22 09:59	02/01/22 10:35	3
890-1900-7	BH03	Solid	01/31/22 10:09	02/01/22 10:35	0.5
890-1900-8	BH03A	Solid	01/31/22 10:10	02/01/22 10:35	1
890-1900-9	BH03B	Solid	01/31/22 10:14	02/01/22 10:35	3
890-1900-10	BH04	Solid	01/31/22 10:20	02/01/22 10:35	0.5
890-1900-11	BH04A	Solid	01/31/22 10:22	02/01/22 10:35	1
890-1900-12	BH04B	Solid	01/31/22 10:26	02/01/22 10:35	3
890-1900-13	BH05	Solid	01/31/22 10:32	02/01/22 10:35	0.5
890-1900-14	BH05A	Solid	01/31/22 10:33	02/01/22 10:35	1
890-1900-15	BH05B	Solid	01/31/22 10:36	02/01/22 10:35	3

Chain of Custody

Work Order No: _____

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com

Project Manager:	Kalei Jennings	Bill to: (if different)	
Company Name:	WSP USA Inc., Permian office	Company Name:	
Address:	3300 North A St. Bldg 1, Unit 222	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 704-5178	Email:	travis.casey@wsp.com, kalei.jennings@wsp.com, dan.moir@w

Work Order Comments

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

Project Name:	Trinity Burrus Unit #001	Turn Around	
Project Number:	31403471.005	Routine X	
P.O. Number:		Rush:	
Sampler's Name:	Travis Casey	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	1.0/0.8	Thermometer ID		
Received Intact:	Yes No	TNM-007		
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 8021)	Chloride (EPA 300.0)	Sample Comments
BH01	S	1/31/2022	9:41	0.5	1	x	x	x	Composite
BH01A	S	1/31/2022	9:43	1	1	x	x	x	Composite
BH01B	S	1/31/2022	9:47	3	1	x	x	x	Composite
BH02	S	1/31/2022	9:52	0.5	1	x	x	x	Composite
BH02A	S	1/31/2022	9:54	1	1	x	x	x	Composite
BH02B	S	1/31/2022	9:59	3	1	x	x	x	Composite
BH03	S	1/31/2022	10:09	0.5	1	x	x	x	Composite
BH03A	S	1/31/2022	10:10	1	1	x	x	x	Composite
BH03B	S	1/31/2022	10:14	3	1	x	x	x	Composite
BH04	S	1/31/2022	10:20	0.5	1	x	x	x	Composite

890-1900 Chain of Custody

Work Order Notes

IN: NTO1419040759
CC:
API: #30-025-3492

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2-1-22 4:00pm	2		2-1-22 1035
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Chain of Custody

Work Order No: _____

XENCO LABORATORIES
Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com

Project Manager:	Kalei Jennings	Bill to: (if different)	
Company Name:	WSP USA Inc., Permian office	Company Name:	
Address:	3300 North A St. Bldg 1, Unit 222	Address:	
City, State ZIP:	Midland, TX 79705	City, State ZIP:	
Phone:	(432) 704-5178	Email:	travis.casey@wsp.com, kalei.jennings@wsp.com, dan.moir@w

Work Order Comments

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

Project Name:	Trinity Burrus Unit #001	Turn Around	
Project Number:	31403471.005	Routine	X
P.O. Number:		Rush:	
Sampler's Name:	Travis Casey	Due Date:	

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 8021)	Chloride (EPA 300.0)	Sample Comments
BH04A	S	1/31/2022	10:22	1	1	x	x	x	Composite
BH04B	S	1/31/2022	10:26	3	1	x	x	x	Composite
BH05	S	1/31/2022	10:32	0.5	1	x	x	x	Composite
BH05A	S	1/31/2022	10:33	1	1	x	x	x	Composite
BH05B	S	1/31/2022	10:36	3	1	x	x	x	Composite

Work Order Notes

IN: NTO1419040759
CC:
API: #30-025-3492

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2-1-22/9:00am	2		2.1.22 1035
3			4		
5			6		

Revised Date 051418 Rev. 2018 1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1900-1
SDG Number: 31403471.005

Login Number: 1900
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: 890-1900-1
SDG Number: 31403471.005

Login Number: 1900
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 02/02/22 01:36 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.	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	

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ANALYTICAL REPORT

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

Laboratory Job ID: 880-11804-1
Laboratory Sample Delivery Group: 32.2594604, -103.0822296
Client Project/Site: Trinity Bumus A60 Unit #001

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
3/8/2022 12:28:25 PM

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

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: Trinity Bumus A60 Unit #001

Laboratory Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 880-11804-1
Project/Site: Trinity Bumus A60 Unit #001 SDG: 32.2594604, -103.0822296

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
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.
¤	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. Job ID: 880-11804-1
Project/Site: Trinity Bumus A60 Unit #001 SDG: 32.2594604, -103.0822296

Job ID: 880-11804-1

Laboratory: Eurofins Midland

Narrative

Job Narrative
880-11804-1

Receipt
The samples were received on 3/1/2022 8:51 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 4.2°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
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-20588 and analytical batch 880-20893 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.

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

Client Sample ID: FS01

Lab Sample ID: 880-11804-1
Matrix: Solid
Date Collected: 02/28/22 10:20
Date Received: 03/01/22 08:51
Sample Depth: 1.0

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 07:30	03/04/22 14:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/04/22 07:30	03/04/22 14:26	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/04/22 07:30	03/04/22 14:26	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/04/22 07:30	03/04/22 14:26	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/04/22 07:30	03/04/22 14:26	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/04/22 07:30	03/04/22 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/04/22 07:30*	*03/04/22 14:26*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/04/22 07:30*	*03/04/22 14:26*	*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			03/04/22 16:35	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 10:14	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		03/01/22 13:25	03/02/22 03:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/01/22 13:25	03/02/22 03:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/01/22 13:25	03/02/22 03:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*03/01/22 13:25*	*03/02/22 03:33*	*1*
o-Terphenyl	*98*		*70 - 130*	*03/01/22 13:25*	*03/02/22 03:33*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**123**	**F1**	4.97		mg/Kg			03/07/22 17:09	1

Client Sample ID: FS02

Lab Sample ID: 880-11804-2
Matrix: Solid
Date Collected: 02/28/22 10:23
Date Received: 03/01/22 08:51
Sample Depth: 1.0

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 07:30	03/04/22 14:47	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/04/22 07:30	03/04/22 14:47	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/04/22 07:30	03/04/22 14:47	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/04/22 07:30	03/04/22 14:47	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/04/22 07:30	03/04/22 14:47	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/04/22 07:30	03/04/22 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/04/22 07:30*	*03/04/22 14:47*	*1*

Eurofins Midland

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

Client Sample ID: FS02

Lab Sample ID: 880-11804-2
Matrix: Solid
Date Collected: 02/28/22 10:23
Date Received: 03/01/22 08:51
Sample Depth: 1.0

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*03/04/22 07:30*	*03/04/22 14:47*	*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			03/04/22 16:35	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 10:14	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		03/01/22 13:25	03/02/22 03:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		03/01/22 13:25	03/02/22 03:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/01/22 13:25	03/02/22 03:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*03/01/22 13:25*	*03/02/22 03:54*	*1*
o-Terphenyl	*88*		*70 - 130*	*03/01/22 13:25*	*03/02/22 03:54*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**179**		5.01	mg/Kg			03/07/22 17:26	1

Client Sample ID: FS03

Lab Sample ID: 880-11804-3
Matrix: Solid
Date Collected: 02/28/22 10:27
Date Received: 03/01/22 08:51
Sample Depth: 1.0

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 07:30	03/04/22 15:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/04/22 07:30	03/04/22 15:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/04/22 07:30	03/04/22 15:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/04/22 07:30	03/04/22 15:07	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/04/22 07:30	03/04/22 15:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/04/22 07:30	03/04/22 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/04/22 07:30*	*03/04/22 15:07*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/04/22 07:30*	*03/04/22 15:07*	*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			03/04/22 16:35	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 10:14	1

Eurofins Midland

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

Client Sample ID: FS03

Lab Sample ID: 880-11804-3
Matrix: Solid
Date Collected: 02/28/22 10:27
Date Received: 03/01/22 08:51
Sample Depth: 1.0

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		03/01/22 13:25	03/02/22 04:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/01/22 13:25	03/02/22 04:15	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/01/22 13:25	03/02/22 04:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/01/22 13:25*	*03/02/22 04:15*	*1*
o-Terphenyl	*98*		*70 - 130*	*03/01/22 13:25*	*03/02/22 04:15*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**127**		5.00		mg/Kg			03/07/22 17:32	1

Client Sample ID: FS04

Lab Sample ID: 880-11804-4
Matrix: Solid
Date Collected: 02/28/22 10:30
Date Received: 03/01/22 08:51
Sample Depth: 1.0

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 07:30	03/04/22 15:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/04/22 07:30	03/04/22 15:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/04/22 07:30	03/04/22 15:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/04/22 07:30	03/04/22 15:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/04/22 07:30	03/04/22 15:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/04/22 07:30	03/04/22 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/04/22 07:30*	*03/04/22 15:27*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*03/04/22 07:30*	*03/04/22 15:27*	*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			03/04/22 16:35	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 10:14	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		03/01/22 13:25	03/02/22 04:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/01/22 13:25	03/02/22 04:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/01/22 13:25	03/02/22 04:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*03/01/22 13:25*	*03/02/22 04:37*	*1*
o-Terphenyl	*91*		*70 - 130*	*03/01/22 13:25*	*03/02/22 04:37*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

Client Sample ID: FS04

Lab Sample ID: 880-11804-4
Matrix: Solid
Date Collected: 02/28/22 10:30
Date Received: 03/01/22 08:51
Sample Depth: 1.0

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62.0		5.00		mg/Kg			03/07/22 17:50	1

Client Sample ID: FS05

Lab Sample ID: 880-11804-5
Matrix: Solid
Date Collected: 02/28/22 10:34
Date Received: 03/01/22 08:51
Sample Depth: 1.0

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/04/22 07:30	03/04/22 15:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/04/22 07:30	03/04/22 15:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/04/22 07:30	03/04/22 15:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/04/22 07:30	03/04/22 15:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/04/22 07:30	03/04/22 15:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/04/22 07:30	03/04/22 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/04/22 07:30*	*03/04/22 15:48*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*03/04/22 07:30*	*03/04/22 15:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/04/22 16:35	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 10:14	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		03/01/22 13:25	03/02/22 04:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/01/22 13:25	03/02/22 04:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/01/22 13:25	03/02/22 04:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*03/01/22 13:25*	*03/02/22 04:58*	*1*
o-Terphenyl	*110*		*70 - 130*	*03/01/22 13:25*	*03/02/22 04:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	249		4.98		mg/Kg			03/07/22 17:56	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-11740-A-1-I MS	Matrix Spike	80	101
880-11740-A-1-J MSD	Matrix Spike Duplicate	105	100
880-11741-A-1-H MS	Matrix Spike	105	102
880-11741-A-1-I MSD	Matrix Spike Duplicate	104	102
880-11804-1	FS01	105	105
880-11804-2	FS02	107	105
880-11804-3	FS03	105	102
880-11804-4	FS04	108	104
880-11804-5	FS05	108	103
LCS 880-20668/1-A	Lab Control Sample	97	101
LCS 880-20669/1-A	Lab Control Sample	94	100
LCSD 880-20668/2-A	Lab Control Sample Dup	99	102
LCSD 880-20669/2-A	Lab Control Sample Dup	96	101
MB 880-20668/5-A	Method Blank	104	95
MB 880-20669/5-A	Method Blank	97	100

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)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-11804-1	FS01	100	98
880-11804-2	FS02	96	88
880-11804-3	FS03	101	98
880-11804-4	FS04	94	91
880-11804-5	FS05	110	110
890-2018-A-1-H MS	Matrix Spike	101	95
890-2018-A-1-I MSD	Matrix Spike Duplicate	98	97
LCS 880-20610/2-A	Lab Control Sample	103	87
LCSD 880-20610/3-A	Lab Control Sample Dup	104	90
MB 880-20610/1-A	Method Blank	100	98

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

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		

QC Sample Results

Client: WSP USA Inc. Job ID: 880-11804-1
Project/Site: Trinity Bumus A60 Unit #001 SDG: 32.2594604, -103.0822296

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

Lab Sample ID: 880-11741-A-1-H MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 20854 **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 **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 20854 **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*

Lab Sample ID: MB 880-20669/5-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 20859 **Prep Batch: 20669**

Analyte	MB Result	MB Qualifier	RL	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 **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 20859 **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

QC Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

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

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		
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		
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

QC Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

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

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

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

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

Lab Sample ID: MB 880-20610/1-A
Matrix: Solid
Analysis Batch: 20583

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20610

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		03/01/22 13:25	03/01/22 20:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/01/22 13:25	03/01/22 20:07	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/01/22 13:25	03/01/22 20:07	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	03/01/22 13:25	03/01/22 20:07	1
o-Terphenyl	98		70 - 130	03/01/22 13:25	03/01/22 20:07	1

Lab Sample ID: LCS 880-20610/2-A
Matrix: Solid
Analysis Batch: 20583

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20610

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1004		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	805.6		mg/Kg		81	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: LCSD 880-20610/3-A
Matrix: Solid
Analysis Batch: 20583

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20610

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1008		mg/Kg		101	70 - 130	0	20
Diesel Range Organics (Over C10-C28)			1000	858.0		mg/Kg		86	70 - 130	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	104		70 - 130
o-Terphenyl	90		70 - 130

QC Sample Results

Client: WSP USA Inc. Job ID: 880-11804-1
Project/Site: Trinity Bumus A60 Unit #001 SDG: 32.2594604, -103.0822296

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

Lab Sample ID: 890-2018-A-1-H MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 20583 **Prep Batch: 20610**

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	996.1		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	875.9		mg/Kg		88	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*95*		*70 - 130*

Lab Sample ID: 890-2018-A-1-I MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 20583 **Prep Batch: 20610**

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	1026		mg/Kg		100	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	900.7		mg/Kg		90	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*98*		*70 - 130*
o-Terphenyl	*97*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20588/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 20893

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/07/22 14:27	1

Lab Sample ID: LCS 880-20588/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 20893

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride			250	268.8		mg/Kg		108	90 - 110

Lab Sample ID: LCSD 880-20588/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 20893

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	238.7		mg/Kg		95	90 - 110	12	20

QC Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-11804-1 MS
Matrix: Solid
Analysis Batch: 20893

Client Sample ID: FS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	123	F1	249	386.6		mg/Kg		106	90 - 110		

Lab Sample ID: 880-11804-1 MSD
Matrix: Solid
Analysis Batch: 20893

Client Sample ID: FS01
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	123	F1	249	398.4	F1	mg/Kg		111	90 - 110	3	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

GC VOA

Prep Batch: 20668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
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	

Prep Batch: 20669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11804-1	FS01	Total/NA	Solid	5035	
880-11804-2	FS02	Total/NA	Solid	5035	
880-11804-3	FS03	Total/NA	Solid	5035	
880-11804-4	FS04	Total/NA	Solid	5035	
880-11804-5	FS05	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: 20854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
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: 20859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11804-1	FS01	Total/NA	Solid	8021B	20669
880-11804-2	FS02	Total/NA	Solid	8021B	20669
880-11804-3	FS03	Total/NA	Solid	8021B	20669
880-11804-4	FS04	Total/NA	Solid	8021B	20669
880-11804-5	FS05	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: 20938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11804-1	FS01	Total/NA	Solid	Total BTEX	
880-11804-2	FS02	Total/NA	Solid	Total BTEX	
880-11804-3	FS03	Total/NA	Solid	Total BTEX	
880-11804-4	FS04	Total/NA	Solid	Total BTEX	
880-11804-5	FS05	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: WSP USA Inc. Job ID: 880-11804-1
Project/Site: Trinity Bumus A60 Unit #001 SDG: 32.2594604, -103.0822296

GC Semi VOA

Analysis Batch: 20583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11804-1	FS01	Total/NA	Solid	8015B NM	20610
880-11804-2	FS02	Total/NA	Solid	8015B NM	20610
880-11804-3	FS03	Total/NA	Solid	8015B NM	20610
880-11804-4	FS04	Total/NA	Solid	8015B NM	20610
880-11804-5	FS05	Total/NA	Solid	8015B NM	20610
MB 880-20610/1-A	Method Blank	Total/NA	Solid	8015B NM	20610
LCS 880-20610/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20610
LCSD 880-20610/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20610
890-2018-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	20610
890-2018-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20610

Prep Batch: 20610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11804-1	FS01	Total/NA	Solid	8015NM Prep	
880-11804-2	FS02	Total/NA	Solid	8015NM Prep	
880-11804-3	FS03	Total/NA	Solid	8015NM Prep	
880-11804-4	FS04	Total/NA	Solid	8015NM Prep	
880-11804-5	FS05	Total/NA	Solid	8015NM Prep	
MB 880-20610/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20610/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20610/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2018-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2018-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11804-1	FS01	Total/NA	Solid	8015 NM	
880-11804-2	FS02	Total/NA	Solid	8015 NM	
880-11804-3	FS03	Total/NA	Solid	8015 NM	
880-11804-4	FS04	Total/NA	Solid	8015 NM	
880-11804-5	FS05	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11804-1	FS01	Soluble	Solid	DI Leach	
880-11804-2	FS02	Soluble	Solid	DI Leach	
880-11804-3	FS03	Soluble	Solid	DI Leach	
880-11804-4	FS04	Soluble	Solid	DI Leach	
880-11804-5	FS05	Soluble	Solid	DI Leach	
MB 880-20588/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20588/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20588/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-11804-1 MS	FS01	Soluble	Solid	DI Leach	
880-11804-1 MSD	FS01	Soluble	Solid	DI Leach	

Analysis Batch: 20893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11804-1	FS01	Soluble	Solid	300.0	20588
880-11804-2	FS02	Soluble	Solid	300.0	20588

QC Association Summary

Client: WSP USA Inc.
Project/Site: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

HPLC/IC (Continued)

Analysis Batch: 20893 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11804-3	FS03	Soluble	Solid	300.0	20588
880-11804-4	FS04	Soluble	Solid	300.0	20588
880-11804-5	FS05	Soluble	Solid	300.0	20588
MB 880-20588/1-A	Method Blank	Soluble	Solid	300.0	20588
LCS 880-20588/2-A	Lab Control Sample	Soluble	Solid	300.0	20588
LCSD 880-20588/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20588
880-11804-1 MS	FS01	Soluble	Solid	300.0	20588
880-11804-1 MSD	FS01	Soluble	Solid	300.0	20588

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

Client Sample ID: FS01
Date Collected: 02/28/22 10:20
Date Received: 03/01/22 08:51

Lab Sample ID: 880-11804-1
Matrix: Solid

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	20669	03/04/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20859	03/04/22 14:26	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20938	03/04/22 16:35	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20676	03/02/22 10:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	20610	03/01/22 13:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20583	03/02/22 03:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	20588	03/01/22 16:39	SC	XEN MID
Soluble	Analysis	300.0		1			20893	03/07/22 17:09	CH	XEN MID

Client Sample ID: FS02
Date Collected: 02/28/22 10:23
Date Received: 03/01/22 08:51

Lab Sample ID: 880-11804-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 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 14:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20938	03/04/22 16:35	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20676	03/02/22 10:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20610	03/01/22 13:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20583	03/02/22 03:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	20588	03/01/22 16:39	SC	XEN MID
Soluble	Analysis	300.0		1			20893	03/07/22 17:26	CH	XEN MID

Client Sample ID: FS03
Date Collected: 02/28/22 10:27
Date Received: 03/01/22 08:51

Lab Sample ID: 880-11804-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 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 15:07	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20938	03/04/22 16:35	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20676	03/02/22 10:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20610	03/01/22 13:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20583	03/02/22 04:15	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20588	03/01/22 16:39	SC	XEN MID
Soluble	Analysis	300.0		1			20893	03/07/22 17:32	CH	XEN MID

Client Sample ID: FS04
Date Collected: 02/28/22 10:30
Date Received: 03/01/22 08:51

Lab Sample ID: 880-11804-4
Matrix: Solid

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	20669	03/04/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20859	03/04/22 15:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20938	03/04/22 16:35	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

Client Sample ID: FS04

Lab Sample ID: 880-11804-4
Matrix: Solid
Date Collected: 02/28/22 10:30
Date Received: 03/01/22 08:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			20676	03/02/22 10:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20610	03/01/22 13:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20583	03/02/22 04:37	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20588	03/01/22 16:39	SC	XEN MID
Soluble	Analysis	300.0		1			20893	03/07/22 17:50	CH	XEN MID

Client Sample ID: FS05

Lab Sample ID: 880-11804-5
Matrix: Solid
Date Collected: 02/28/22 10:34
Date Received: 03/01/22 08:51

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 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 15:48	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20938	03/04/22 16:35	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20676	03/02/22 10:14	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20610	03/01/22 13:25	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20583	03/02/22 04:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20588	03/01/22 16:39	SC	XEN MID
Soluble	Analysis	300.0		1			20893	03/07/22 17:56	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.
Job ID: 880-11804-1
Project/Site: Trinity Bumus A60 Unit #001
SDG: 32.2594604, -103.0822296

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: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

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: Trinity Bumus A60 Unit #001

Job ID: 880-11804-1
SDG: 32.2594604, -103.0822296

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
880-11804-1	FS01	Solid	02/28/22 10:20	03/01/22 08:51	1.0
880-11804-2	FS02	Solid	02/28/22 10:23	03/01/22 08:51	1.0
880-11804-3	FS03	Solid	02/28/22 10:27	03/01/22 08:51	1.0
880-11804-4	FS04	Solid	02/28/22 10:30	03/01/22 08:51	1.0
880-11804-5	FS05	Solid	02/28/22 10:34	03/01/22 08:51	1.0

Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334
Midland TX (432) 704-5440 EL Paso TX (915) 585-3443 Lubbock TX (806) 794-1296
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) 689-6701
Atlanta GA (770) 449-8800

Work Order No: 11804

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Project Manager	Kalei Jennings	Bill to (if different)	Kalei Jennings
Company Name	WSP USA INC	Company Name	WSP USA
Address	3300 NorthA Street, Bldg 1, Unit 222	Address	
City, State ZIP	Midland, TX 79705	City State ZIP	
Phone	817-683-2503 Email		Kalei.Jennings@wsp.com

Work Order Comments

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

Project Name	Trinity Burrus Abo Unit # 001	Turn Around	
Project Number	314034711.005	Routine	☒
Project Location	33.2594604,-103.0822796	Rush	☐
Sampler's Name	Hadlie Green	Due Date:	ASAP
PO #			

SAMPLE RECEIPT			
Temp Blank	Yes (No)	Wet Ice	(Yes) No
Temperature (°C)	4.3/4.2	Thermometer ID	IR#9
Received Intact:	(Yes) No		
Cooler Custody Seals	Yes No (N/A)	Correction Factor	-.1
Sample Custody Seals	Yes No (N/A)	Total Containers	

ANALYSIS REQUEST

Preservative Codes

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

TAT starts the day recevied by the lab if received by 4 30pm

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers/Preservative Code	BTEX (EPA 8021)	TPH (EPA 8015)	CHLORIDES (EPA 300)	Sample Comments
FS01	SL	2-28-22	10:20	1.0	1	X	X	X	
FS02			10:23	1.0					
FS03			10:27	1.0					
FS04			10:30	1.0					
FS05			10:34	1.0					

880-11804 Chain of Custody

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

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** Hg

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

Relinquished by (Signature)	Received by (Signature)	Date/Time	Relinquished by (Signature)	Received by (Signature)	Date/Time
1 Hadlie Green		2/28/22 2457	2		
3			4		
5			6		

Revised Date101419 Rev 2019.1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 880-11804-1
SDG Number: 32.2594604, -103.0822296

Login Number: 11804
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 92427

CONDITIONS

Operator: ARMSTRONG ENERGY CORP P.O. Box 1973 Roswell, NM 88202	OGRID: 1092
	Action Number: 92427
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	6/21/2022