District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

)

Page 1 of 61

Incident ID	NGRL0831235535
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Armstrong Energy Corporation	OGRID 1092
Contact Name	Jeffery Tew	Contact Telephone 575-623-2999
Contact email	jtew@aecnm.com	Incident # (assigned by OCD) NGRL0831235535
Contact mailing address P.O. Box 1973 Roswell, NM 88202-1973		

Location of Release Source

Latitude 33.2615166

Longitude -103.0858765 (NAD 83 in decimal degrees to 5 decimal places)

Site Name Trinity Burrus Abo Unit #011	Site Type Production Facility
Date Release Discovered October 20, 2008	API# (if applicable)

ſ	Unit Letter	Section	Township	Range	County
	K	22	12S	38E	LEA

Surface Owner: State Federal Tribal X Private (Name: _

Nature and Volume of Release

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

Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
X Produced Water	Volume Released (bbls) 150	Volume Recovered (bbls) 80
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A 1/4 inch gauge blew out releasing produced water. Vacuum trucks were used to recover free fluid. Equipment was brought in to immediately start scraping the location to minimize the depth of impact. 80 bbls of fluid were recovered. Immediate remedial operations were commenced by soil removal.

eceived by OCD: 2/21/202	2 2:34:19 PM State of New Mexico		Page 2 of
01111 C-141		Incident ID	NGRL0831235535
age 2	Oil Conservation Division	District RP	
		Facility ID	
		Application ID	
Was this a major	If YES, for what reason(s) does the responsible pa	rty consider this a major release?	
release as defined by 19.15.29.7(A) NMAC? Release is greater than 30 bbls			
X Yes 🗌 No			
If YES, was immediate n	otice given to the OCD? By whom? To whom? W	hen and by what means (phone, e	mail, etc)?

Initial Response

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

 \mathbf{X} The source of the release has been stopped.

X The impacted area has been secured to protect human health and the environment.

X Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

 \mathbf{X} All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Jeffery Tew	Title: Operations Engineer
Signature:	Date:02/17/2022
email: jtew@aecnm.com	Telephone: 575-623-2999
OCD Only	
Received by:	Date:

Received by OCD: 2/21/2022 2:34:19 PM Form C-141 State of New Mexico

Page 3

Oil Conservation Division

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Incident ID	NGRL0831235535
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?	<u><50</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 Yes 🖂 No

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

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

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- \square Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- \boxtimes 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.

Corn C-141 State of New Mexico			Page 4	
			Incident ID	NGRL0831235535
Page 4 Oil Conservation		1\$10n	District RP	
			Facility ID	
			Application ID	
public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations. Printed Name:	re required to report and/or file certain rele onment. The acceptance of a C-141 report tigate and remediate contamination that po e of a C-141 report does not relieve the ope Jeffery Tew	by the OCD does not rel se a threat to groundwate erator of responsibility for 	lieve the operator of liability sheer, surface water, human health or compliance with any other for Operations Engineer	nould their operations have a or the environment. In ederal, state, or local laws
email: jtew@aecn	m.com	Telephone:	575-623-2999	
OCD Only Received by:				

Page 5

Oil Conservation Division

Incident ID	NGRL0831235535
District RP	
Facility ID	
Application ID	

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Closure

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

<u>Closure Report Attachment Checklist</u>: 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)

 \boxtimes 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:	Date: 2/17/2022	
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: <u>Jennifer Nobui</u>	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

February 18, 2022

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

Re: Closure Request Trinity Burrus Abo Unit #011 Incident Number NGRL0831235535 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 and soil sampling activities at the Trinity Burrus Abo Unit #011 (Site), located in Unit K, Section 22, Township 12 South, Range 38 East, in Lea County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following the release of produced water at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, Armstrong is submitting this Closure Request and requesting no further action (NFA) for Incident Number NGRL0831235535.

RELEASE BACKGROUND

On October 20, 2008, a 1/4-inch gauge blew out, resulting in the release of approximately 150 barrels (bbls) of produced water into containment. A vacuum truck was immediately dispatched to the Site to recover freestanding fluids and saturated surficial soil; approximately 80 bbls of produced water were recovered. Chesapeake Operating, the operator of the facility at the time of the release, notified the New Mexico Oil Conservation Division (NMOCD) on November 7, 2008. The release was assigned Incident Number NGRL0831235535. 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)

wsp

District 1 Page 2

well 331518103044201, located approximately 0.36 miles east 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 1,840 feet southeast 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

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

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. Two soil samples were collected from each borehole at depths ranging from approximately 0.5 feet to 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. Photographic documentation was conducted during the Site visit. The photographic log is included in Attachment 3.

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 Xenco Laboratories (Xenco) in Carlsbad, New Mexico, for analysis of BTEX following United States

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District 1 Page 3

Environmental Protection Agency (EPA) Method 8021B; TPH- gasoline range organics (GRO), TPHdiesel range organics (DRO), and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

SOIL ANALYTICAL RESULTS

Laboratory analytical results for delineation soil samples BH01 through BH05, collected at depths ranging from approximately 0.5 bgs to 3 feet bgs, indicated benzene, BTEX, TPH, and chloride concentrations were all compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and the laboratory analytical report is included as Attachment 4.

CLOSURE REQUEST

Site assessment and delineation activities were conducted at the Site to address the October 20, 2008 produced water release. Once the release was discovered, the former operator immediately dispatched a vacuum truck to the Site to recover freestanding fluids and remove stained soil. Laboratory analytical results for the 2022 delineation soil samples 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 2008 release and no further remediation appears necessary.

Based on initial response efforts, the absence of elevated field screening results, and soil sample laboratory analytical results compliant with Closure Criteria, Armstrong respectfully requests NFA for Incident Number NGRL0831235535.

NSD

District 1 Page 4

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

Sincerely,

WSP USA Inc.

Kalui Jenningz

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
- Table 1Soil Analytical Results
- Attachment 1 Referenced Well Records
- Attachment 2 Lithologic/Sampling Logs
- Attachment 3 Photographic Log
- Attachment 4 Laboratory Analytical Reports



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Table 1

Soil Analytical Results Trinity Burrus Unit #011 Incident Number: NGRL0831235535 Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1	l Closure Criteria (10	50	NE	NE	NE	NE	100	600	
Delineation Soil	Samples									
BH01	01/31/2022	0.5	< 0.00199	< 0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	54.5
BH01A	01/31/2022	3	< 0.00198	< 0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	8.66
BH02	01/31/2022	0.5	< 0.00199	< 0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	117
BH02A	01/31/2022	3	< 0.00200	< 0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	64.9
BH03	01/31/2022	0.5	<0.00199	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	10.6
BH03A	01/31/2022	3	< 0.00200	< 0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	18.9
BH04	01/31/2022	0.5	< 0.00200	< 0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	17.1
BH04A	01/31/2022	3	< 0.00199	< 0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	109
BH05	01/31/2022	0.5	< 0.00200	< 0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	8.01
BH05A	01/31/2022	3	< 0.00200	< 0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	54.6

Notes:

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

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

NE - Not Established

BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard Greyed data represents samples that were excavated

ATTACHIVIENT 1: REFERENCED WELL RECORDS



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources	(Cooperator Access)	Data Category:		Geographic Area:		
obdo water Resources	(Cooperator Access)	Site Information	\checkmark	United States	\checkmark	GO

Click to hideNews Bulletins

- Explore the *NEW* <u>USGS National Water Dashboard</u> interactive map to access realtime 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" (1210GLL) 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) (timese	eries:0)

OPERATION:

Record for this site is maintained by the USGS New Mexico Water Science Center Email questions about this site to <u>New Mexico Water Science Center Water-Data</u> <u>Inquiries</u>

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



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

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

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U.S. Department of the Interior | U.S. Geological Survey 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



Point of Diversion Summary

				2=NE 3=SV st to largest	· · · ·	(NAD83 UTM in meters)			
	Number	Q64 Q16				Х	Y	_	
L 0.	3031	2 4	4 2	27 12S	38E	679135	3680111*	9	
Driller License:	111	Driller Cor	npany	BU	RKE, ED	WARD B.			
Driller Name:	BURKE, EDWAR	RD B.							
Drill Start Date:	05/08/1957	Drill Finisl	Drill Finish Date: 05/08/1957				ug Date:	07/17/1957	
Log File Date:	05/15/1957	PCW Rev	CW Rcv Date:			Source:		Shallow	
Pump Type:		Pipe Disch	arge Si	ze:		Estimated Yield:			
Casing Size:	7.00	Depth Wel	l:	9	6 feet	De	pth Water:	42 feet	
Wate	er Bearing Stratifi	cations:	Тор	Botton	Descri	ption			
			73	7	Sandst	one/Grave	l/Conglomera	ite	
	Casing Perf	orations:	Тор	Botton	Bottom				
			50	82	2				

*UTM location was derived from PLSS - see Help

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

2/10/22 11:53 AM

POINT OF DIVERSION SUMMARY

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ATTACHIVIENT 2: LITHOLOGIC/SAMPLING LOGS

				ws	P USA			BH or PH Name:	BH01	Date: 01/31/2021
			-							
			5 Carl	08 West S sbad, Ne	Stevens 3 w Mexico			Site Name: Trinity I RP or Incident Numb		
			oun	00000,110		, OOLLO		WSP Job Number: 3		
			IC / SOIL	SAMDI		<u> </u>			140347 1.000	
Lat/Long:		JLUG		Field Scre		G		Logged By: TC Hole Diameter:		Method: Hand Auger Total Depth:
33.261455, -103	.085880		Chloride, PID					3"		3 feet
Comments:				,						
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)				Lithology/R	emarks
D 313	0.2	Y	BH01	0.5	0.5	GP/GM	GRAVEL stain	., abundant silt a ng, no odor.	nd sand, po	oorly graded, dry, dark brown
D 364	0.1	Y		-	1	GP/GM		., abundant silt a ng, no odor.	nd sand, po	oorly graded, dry, dark brown
D 313	0.0	Y	BH01A	3	3			lark brown staini		aliche gravel, poorly graded, r.

		1		ws	PUSA		BH or PH Name:	BH02	Date: 01/31/2021		
			5	08 West S	Stevens S	Street	Site Name: Trinity Burrus Abo Unit #011				
			Carl	sbad, Ne		88220	RP or Incident Num				
			IC / SOIL	SAMDI		G	WSP Job Number: 3				
Lat/Long:	LIIN	OLUG		Field Scre		G	Logged By: TC Method: Hand Auger Hole Diameter: Total Depth: 3" 3 feet Lithology/Remarks AVEL, abundant silt and sand, poorly graded, dry, dark brown staining, no odor. AVEL, abundant silt and sand, poorly graded, dry, dark brown staining, no odor.				
33.261344, -1	3.085758			Chloride,							
Comments:											
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)			Lithology/R	emarks		
D 414	0.0	Y	BH02	0.5	0.5	GP/GM		ind sand, po	oorly graded, dry, dark brown		
D 364	0.0	Y		- - - -	1 - - 2	GP/GM		ind sand, po	oorly graded, dry, dark brown		
D <168	0.0	Y	BH02A	3	3		lark brown stain		aliche gravel, poorly graded, r.		

			WS	P USA		E	BH or PH Name:	BH03	Date: 01/31/2021	
		50 Carl)8 West S sbad, Ner	Stevens S	Street		Site Name: Trinity Burrus Abo Unit #011 RP or Incident Number NGRL0831235535			
		Can	sbau, Ne		00220		VSP Job Number:			
		GIC / SOIL	SAMPI	INGLO	G		ogged By: TC		Method: Hand Auger	
Lat/Long:			Field Scre		0		lole Diameter:		Total Depth:	
33.261406, -103.085	656		Chloride, I			3			3 feet	
Comments:										
Moisture Content Chloride (ppm) Vapor	(ppm) Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol			Lithology/R	emarks	
D 582 0).1 Y	BH03	0.5	0.5	GS/SP		abundant san ıg, no odor.	d, poorly gra	aded, dry, dark reddish brown	
D <168 0).0 Y		-	1 - 2	GM/GC		abundant silt a g, no odor.	and sand, po	oorly graded, dry, dark brown	
D <168 0).0 Y	BH03A	3	3			ng, no odor.	and sand, po	oorly graded, dry dark brown	

NSI	WSP USA	Ε	BH or PH Name: BH04	Date: 01/31/2021
	508 West Stevens		Site Name: Trinity Burrus Abo U	
	Carlsbad, New Mexi		RP or Incident Number NGRL083	
			WSP Job Number: 31403471.006	
	LOGIC / SOIL SAMPLING L		Logged By: TC Hole Diameter:	Method: Hand Auger
Lat/Long: 33.261315, -103.085585	Field Screening: Chloride, PID		B"	Total Depth: 3 feet
Comments:				•
Moisture Content Chloride (ppm) Vapor (ppm)	b # Sample Depth C Depth (ft bgs)		Lithology/F	emarks
D <168 0.1	Y BH04 0.5 0.5		, abundant sand and silt, p ng, no odor.	oorly graded, dry, dark brown
D <168 0.0	Y		, abundant silt and sand, p g, no odor.	oorly graded, dry, dark brown
D <168 0.0	Y BH04A 3 3		, abundant silt and sand, p ng, no odor.	oorly graded, dry dark brown

MSE	WSP USA		BH or PH Name: BH05	Date: 01/31/2021		
	508 West Stevens	Street				
	Carlsbad, New Mexico	88220				
			Site Name: Trinity Burrus Abo Unit #011 RP or Incident Number NGRL0831235535 WSP Job Number: 31403471.006 Logged By: TC Method: Hand Auger Hole Diameter: Total Depth: 3" 3 feet			
	.OGIC / SOIL SAMPLING LC Field Screening:	G	Site Name: Trinity Burrus Abo Unit #011 RP or Incident Number NGRL0831235535 WSP Job Number: 31403471.006 Logged By: TC Method: Hand Auger Hole Diameter: Total Depth: 3" 3 feet Lithology/Remarks AVEL, abundant sand and silt, poorly graded, dry, dark brown staining, no odor. AVEL, abundant silt, less sand, poorly graded, dry, dark browr taining, no odor. AVEL, abundant silt, less sand poorly graded, dry dark brown staining, no odor.			
Lat/Long: 33.261359, -103.085483	Chloride, PID		Logged By: TC Method: Hand Auger Hole Diameter: Total Depth: 3" 3 feet			
Comments:				•		
Moisture Content Chloride (ppm) Vapor (ppm)	Building Sample Depth Depth (ft bgs)		Lithology/I	Remarks		
D <168 0.4	Y BH05 0.5 0.5			boorly graded, dry, dark brown		
D <168 0.2	Y			poorly graded, dry, dark brown		
D <168 0.0	Y BH05A 3 3			boorly graded, dry dark brown		

wsp

		PHOTO	OGRAPHIC LOG					
Armstrong			Trinity Burrus Abo Unit #011					
Corpora	ation	Lea Co	unty, New Mexico					
Photo No.	Date							
1	January 31, 202	2						
Photo of pa	d taken during							
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Photo No.	Date	
2	January 31, 2022	
Photo of pa	d taken during	
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🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1899-1

Laboratory Sample Delivery Group: 31403471.006 Client Project/Site: Trinity Burrus Unit #011

For:

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

Attn: Kalei Jennings

JURAMER

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

LINKS **Review your project** results through **Total** Access Have a Question? Ask-The Expert Visit us at:

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Laboratory Job ID: 890-1899-1 SDG: 31403471.006

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Client: WSP USA Project/Site: Trinit

D: 2/21/2022 2:34:19 PM	Page 30 of	61
Definitions/Glossary		
SA Inc.	Job ID: 890-1899-1	
inity Burrus Unit #011	SDG: 31403471.006	
		3
		ు
Qualifier Description		
MS and/or MSD recovery exceeds control limits.		_
MS/MSD RPD exceeds control limits		5
Surrogate recovery exceeds control limits, high biased.		
Indicates the analyte was analyzed for but not detected.		
Qualifier Description		
LCS and/or LCSD is outside acceptance limits, low biased.		
Surrogate recovery exceeds control limits, low biased.		9
Indicates the analyte was analyzed for but not detected.		
Qualifier Description		9
MS and/or MSD recovery exceeds control limits.		
Indicates the analyte was analyzed for but not detected.		
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		
Percent Recovery		4
Contains Free Liquid		
Colony Forming Unit		
Contains No Free Liquid		
Duplicate Error Ratio (normalized absolute difference)		

Glossary

Qualifiers

GC Semi VOA Qualifier

GC VOA Qualifier

F1

F2

S1+

U

*_

S1-

U

F1 U

HPLC/IC Qualifier

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

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Project/Site: Trinity Burrus Unit #011

Job ID: 890-1899-1 SDG: 31403471.006

Job ID: 890-1899-1

Client: WSP USA Inc.

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-1899-1

Receipt

The samples were received on 2/1/2022 10:34 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

Receipt Exceptions

The collection time listed on the COC for samples BH01 (890-1899-1), BH01A (890-1899-2), BH02 (890-1899-3), BH02A (890-1899-4), BH03 (890-1899-5), BH03A (890-1899-6), BH04 (890-1899-7), BH04A (890-1899-8), BH05 (890-1899-9) and BH05A (890-1899-10) was chronologically later than the laboratory receipt time for the samples. The client was contacted, and the lab was instructed to <EXPLANATION_REQUIRED>.

COC Dates were messed up- called client Travis Casey who agreed the samples were taken on 1-31-22 like it says on jar. I was given permission to change the COC to the corrected dates.

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-18258 and analytical batch 880-18331 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: 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: BH04A (890-1899-8), BH05 (890-1899-9) 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) 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: BH01A (890-1899-2), BH02 (890-1899-3), BH02A (890-1899-4), BH03 (890-1899-5), BH03A (890-1899-6), BH04 (890-1899-7), BH04A (890-1899-8), BH05 (890-1899-9), BH05A (890-1899-10), (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.

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-18363 and analytical batch 880-18607 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.

Job ID: 890-1899-1 SDG: 31403471.006

Client Sample ID: BH01

Project/Site: Trinity Burrus Unit #011

Date Collected: 01/31/22 12:53 Date Received: 02/01/22 10:34

Sample Depth: 0.5

Client: WSP USA Inc.

SDG: 31403471.000

Lab Sample ID: 890-1899-1

Analyzed

02/02/22 20:04

02/02/22 20:04

02/02/22 20:04

02/02/22 20:04

02/02/22 20:04

02/02/22 20:04

Analyzed

02/02/22 20:04

02/02/22 20:04

Lab Sample ID: 890-1899-2

Matrix: Solid

D

Prepared

02/02/22 14:00

02/02/22 14:00

02/02/22 14:00

02/02/22 14:00

02/02/22 14:00

02/02/22 14:00

Prepared

02/02/22 14:00

02/02/22 14:00

Matrix: Solid

Dil Fac

1

1

1

1

1

1

1

Dil Fac

Analyte	Result	Qualifier	RL	Unit
Benzene	< 0.00199	U	0.00199	mg/Kg
Toluene	<0.00199	U	0.00199	mg/Kg
Ethylbenzene	<0.00199	U	0.00199	mg/Kg
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg
o-Xylene	<0.00199	U	0.00199	mg/Kg
Xylenes, Total	<0.00398	U	0.00398	mg/Kg
Surrogate	%Recovery	Qualifier	Limits	
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	
1,4-Difluorobenzene (Surr)	108		70 - 130	

Method: Total BTEX - Total BTEX C	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 C	rganics (DR	D) (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 Rang	e Organics (D	RO) (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 14:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/02/22 14:36	02/05/22 14:49	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/02/22 14:36	02/05/22 14:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	71		70 - 130			02/02/22 14:36	02/05/22 14:49	1
o-Terphenyl	78		70 - 130			02/02/22 14:36	02/05/22 14:49	1

Method: 300.0 - Anions, Ion Chrom	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.5		4.97	mg/Kg			02/05/22 00:26	1

Client Sample ID: BH01A Date Collected: 01/31/22 12:59 Date Received: 02/01/22 10:34

Sample Depth: 3

Method: 8021B - Volatile Orga	nic Compounds ((GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		02/02/22 14:00	02/02/22 20:25	1
Toluene	<0.00198	U	0.00198	mg/Kg		02/02/22 14:00	02/02/22 20:25	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		02/02/22 14:00	02/02/22 20:25	1
m-Xylene & p-Xylene	<0.00397	U	0.00397	mg/Kg		02/02/22 14:00	02/02/22 20:25	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		02/02/22 14:00	02/02/22 20:25	1
Xylenes, Total	<0.00397	U	0.00397	mg/Kg		02/02/22 14:00	02/02/22 20:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			02/02/22 14:00	02/02/22 20:25	1

Eurofins Carlsbad

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Project/Site: Trinity Burrus Unit #011

Client Sample ID: BH01A

5

Client Sample Results

Job ID: 890-1899-1 SDG: 31403471.006

Lab Sample ID: 890-1899-2 Matrix: Solid

Date Collected: 01/31/22 12:59 Date Received: 02/01/22 10:34

Client: WSP USA Inc.

Sample Depth: 3

Total BTEX <0.00397	Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
AnalyteResultQualifierRLUnitDPreparedAnalyzedDilTotal BTEX<0.00397U0.00397U0.00397U02/07/22 15:34DilMethod: 8015 NM - Diesel Range Organics (DRO) (GC)AnalyteResultQualifierRLUnitDPreparedAnalyzedDilTotal TPH<49.9U49.9mg/Kg02/07/22 16:46Dil<	1,4-Difluorobenzene (Surr)	100		70 - 130			02/02/22 14:00	02/02/22 20:25	-
Total BTEX <0.00397 U 0.00397 mg/Kg 02/07/22 15:34 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL Unit D Prepared Analyzed Dil Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL Unit D Prepared Analyzed Dil Gasoline Range Organics (GRO)-C6-C10 Result Qualifier RU 49.9 mg/Kg 02/02/22 14:36 02/05/22 15:55 02/05/22 15:55 G10 Range Organics (Over C28-C36) <49.9	Method: Total BTEX - Total BTEX	Calculation							
Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Total TPH <49.9	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
AnalyteResultQualifierRLUnitDPreparedAnalyzedDilTotal TPH<49.9	Total BTEX	<0.00397	U	0.00397	mg/Kg			02/07/22 15:34	
Total TPH <49.9 U 49.9 mg/Kg 02/07/22 16:46 Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Gasoline Range Organics K49.9 U* 49.9 mg/Kg 02/07/22 14:36 02/05/22 15:55 G(RO)-C6-C10 Use Range Organics (Over <49.9 U 49.9 mg/Kg 02/02/22 14:36 02/05/22 15:55 OII Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 02/02/22 14:36 02/05/22 15:55 Surrogate %Recovery Qualifier Limits Prepared Analyzed Di 1-Chlorooctane 55 S1- 70 - 130 02/02/22 14:36 02/05/22 15:55 02/05/22 15:55 Method: 300.0 - Anions, Ion Chromatography - Soluble Malyte Result Qualifier RL Unit D Prepared Analyzed Di Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL Unit <t< td=""><td>Method: 8015 NM - Diesel Range</td><td>Organics (DR</td><td>O) (GC)</td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Method: 8015B Method:	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
AnalyteResultQualifierRLUnitDPreparedAnalyzedDitGasoline Range Organics<49.9	Total TPH	<49.9	U	49.9	mg/Kg			02/07/22 16:46	1
AnalyteResultQualifierRLUnitDPreparedAnalyzedDitGasoline Range Organics<49.9	Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
(GRO)-C6-C10 Diesel Range Organics (Over <49.9	-			RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over < 49.9 U 49.9 mg/Kg 02/02/22 14:36 02/05/22 15:55 C10-C28) OII Range Organics (Over C28-C36) < 49.9		<49.9	U *-	49.9	mg/Kg		02/02/22 14:36	02/05/22 15:55	
Surrogate 1-Chlorooctane o-Terphenyl%Recovery 55Qualifier 51-Limits 70-130Prepared 02/02/22 14:36Analyzed 02/05/22 15:55Di 02/05/22 15:55Method: 300.0 - Anions, lon Chromatography - Soluble Analyte ChlorideResult QualifierQualifier 4.98RL mg/KgDi 02/02/22 14:36Di 02/05/22 15:55Method: 300.0 - Anions, lon Chromatography - Soluble ChlorideResult 8.66Qualifier 4.98RL mg/KgDi Prepared Manalyte 02/05/22 00:45Dil Di<	Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		02/02/22 14:36	02/05/22 15:55	
1-Chlorooctane 55 \$1- 70 - 130 02/02/22 14:36 02/05/22 15:55 o-Terphenyl 61 \$1- 70 - 130 02/02/22 14:36 02/05/22 15:55 Method: 300.0 - Anions, lon Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Chloride 8.66 4.98 mg/Kg 02/05/22 00:45 Dil Chloride ID: BH02 Lab Sample ID: 890-189	Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/02/22 14:36	02/05/22 15:55	
o-Terphenyl 61 S1- 70-130 02/02/22 14:36 02/05/22 15:55 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Chloride 8.66 4.98 mg/Kg D Prepared Analyzed Dil Chloride 8.66 4.98 Mg/Kg D Prepared Analyzed Dil Chloride 8.66 4.98 Mg/Kg D Lab Sample ID: 890-189	Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Chloride 8.66 4.98 mg/Kg D Prepared Analyzed Dil Chloride 8.66 4.98 mg/Kg D Prepared Analyzed Dil Chloride 8.66 4.98 Mg/Kg D Lab Sample ID: 890-189	1-Chlorooctane	55	S1-	70 - 130			02/02/22 14:36	02/05/22 15:55	
Analyte ChlorideResult 8.66QualifierRL 4.98Unit mg/KgD PreparedPrepared 02/05/22 00:45Analyzed Di<	o-Terphenyl	61	S1-	70 - 130			02/02/22 14:36	02/05/22 15:55	7
Chloride 8.66 4.98 mg/Kg 02/05/22 00:45 Ilient Sample ID: BH02 Lab Sample ID: 890-189	Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
lient Sample ID: BH02 Lab Sample ID: 890-189	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	8.66		4.98	mg/Kg			02/05/22 00:45	1
	lient Sample ID: BH02						Lab San	nple ID: 890-	1899-3
ate Collected: 01/31/22 13:03 Matrix: S	ate Collected: 01/31/22 13:03							Matri	x: Solic

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		02/02/22 14:00	02/02/22 20:45	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/02/22 14:00	02/02/22 20:45	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/22 14:00	02/02/22 20:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/02/22 14:00	02/02/22 20:45	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/22 14:00	02/02/22 20:45	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/02/22 14:00	02/02/22 20:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			02/02/22 14:00	02/02/22 20:45	1
1,4-Difluorobenzene (Surr)	97		70 - 130			02/02/22 14:00	02/02/22 20:45	1
Method: Total BTEX - Total B	EX 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 Rar	ige Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
		U	50.0				02/07/22 16:46	

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Job ID: 890-1899-1 SDG: 31403471.006

Lab Sample ID: 890-1899-3

Lab Sample ID: 890-1899-4

Client Sample ID: BH02

Project/Site: Trinity Burrus Unit #011

Date Collected: 01/31/22 13:03 Date Received: 02/01/22 10:34

Sample Depth: 0.5

Client: WSP USA Inc.

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0	mg/Kg		02/02/22 14:36	02/05/22 16:16	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/02/22 14:36	02/05/22 16:16	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/02/22 14:36	02/05/22 16:16	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	65	S1-	70 - 130			02/02/22 14:36	02/05/22 16:16	1
o-Terphenyl	74		70 - 130			02/02/22 14:36	02/05/22 16:16	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: BH02A

Date Collected: 01/31/22 13:07 Date Received: 02/01/22 10:34

Sample Depth: 3

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/22 14:00	02/02/22 21:06	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/22 14:00	02/02/22 21:06	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/22 14:00	02/02/22 21:06	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/02/22 14:00	02/02/22 21:06	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/22 14:00	02/02/22 21:06	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/02/22 14:00	02/02/22 21:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			02/02/22 14:00	02/02/22 21:06	1
1,4-Difluorobenzene (Surr)	84		70 - 130			02/02/22 14:00	02/02/22 21:06	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 (DR	O) (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 Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *-	49.9	mg/Kg		02/02/22 14:36	02/05/22 16:39	1
(GRO)-C6-C10	-10.0		40.0			00/00/00 44-00	00/05/00 40:00	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/02/22 14:36	02/05/22 16:39	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/02/22 14:36	02/05/22 16:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	64	S1-	70 - 130			02/02/22 14:36	02/05/22 16:39	1

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		Clien	t Sample Re	sults									
Client: WSP USA Inc.							Job ID: 890	-1899-1					
Project/Site: Trinity Burrus Unit #011							SDG: 31403471.006						
Client Sample ID: BH02A Lab Sample ID: 890-189 Date Collected: 01/31/22 13:07 Matrix: Se Date Received: 02/01/22 10:34 Sample Depth: 3													
- Method: 300.0 - Anions, Ion Chrom Analyte		Soluble Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa					
Chloride	64.9		4.97	mg/Kg			02/05/22 00:57	,					
Client Sample ID: BH03 Date Collected: 01/31/22 13:09 Date Received: 02/01/22 10:34 Sample Depth: 0.5						Lab Sar	nple ID: 890- Matri	1899-5 x: Solic					
Method: 8021B - Volatile Organic C													
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa					
Benzene	<0.00199		0.00199	mg/Kg		02/02/22 14:00	02/02/22 21:26						
Toluene	<0.00199		0.00199	mg/Kg		02/02/22 14:00	02/02/22 21:26						
Ethylbenzene	<0.00199		0.00199	mg/Kg		02/02/22 14:00	02/02/22 21:26						
m-Xylene & p-Xylene	<0.00398		0.00398	mg/Kg		02/02/22 14:00	02/02/22 21:26						
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/22 14:00	02/02/22 21:26						
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/02/22 14:00	02/02/22 21:26						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa					
4-Bromofluorobenzene (Surr)	106		70 - 130			02/02/22 14:00	02/02/22 21:26						
1,4-Difluorobenzene (Surr)	105		70 - 130			02/02/22 14:00	02/02/22 21:26	1					
- Method: Total BTEX - Total BTEX C	alculation												
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 O	rganics (DR	O) (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 (D	RO) (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 17:00						
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/02/22 14:36	02/05/22 17:00						
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/02/22 14:36	02/05/22 17:00						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa					
1-Chlorooctane	69	S1-	70 - 130			02/02/22 14:36	02/05/22 17:00						
o-Terphenyl	77		70 - 130			02/02/22 14:36	02/05/22 17:00	1					
- Method: 300.0 - Anions, Ion Chrom	atography -	Soluble											
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac					
Obleviale	40.0		4.08	malka			02/05/22 01:02	-					

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil

 Chloride
 10.6
 4.98
 mg/Kg
 02/05/22 01:03
 02/05/22 01:03

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Job ID: 890-1899-1 SDG: 31403471.006

Client Sample ID: BH03A

Project/Site: Trinity Burrus Unit #011

Date Collected: 01/31/22 13:15 Date Received: 02/01/22 10:34

Sample Depth: 3

Client: WSP USA Inc.

Lab Sample ID: 890-1899-6

Matrix: Solid

5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/22 11:00	02/02/22 19:50	
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/22 11:00	02/02/22 19:50	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/22 11:00	02/02/22 19:50	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		02/02/22 11:00	02/02/22 19:50	
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/22 11:00	02/02/22 19:50	
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		02/02/22 11:00	02/02/22 19:50	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	106		70 - 130			02/02/22 11:00	02/02/22 19:50	
1,4-Difluorobenzene (Surr)	88		70 - 130			02/02/22 11:00	02/02/22 19:50	
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00401	U	0.00401	mg/Kg			02/07/22 15:34	
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9	mg/Kg			02/07/22 16:46	
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	49.9	mg/Kg		02/02/22 14:36	02/05/22 17:23	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		02/02/22 14:36	02/05/22 17:23	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/02/22 14:36	02/05/22 17:23	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	66	S1-	70 - 130			02/02/22 14:36	02/05/22 17:23	
o-Terphenyl	74		70 - 130			02/02/22 14:36	02/05/22 17:23	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	18.9		4.99	mg/Kg			02/05/22 01:09	
lient Sample ID: BH04						Lab Sar	nple ID: 890-	1899-7
ate Collected: 01/31/22 13:17								x: Solie
ate Received: 02/01/22 10:34								
ample Depth: 0.5								
Method: 8021B - Volatile Organic	Compounds	(GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200		0.00200	<u></u>		02/02/22 11:00	02/02/22 20:11	
Toluene	<0.00200		0.00200	mg/Kg		02/02/22 11:00	02/02/22 20:11	
Ethylbenzene	< 0.00200		0.00200	mg/Kg		02/02/22 11:00	02/02/22 20:11	
m-Xylene & p-Xylene	< 0.00399		0.00399	mg/Kg		02/02/22 11:00	02/02/22 20:11	
	~0.00099	5	0.000000	mg/ng		UCIUCICC 11.00	ULIULILL LU.II	

o-Xylene <0.00200 U 0.00200 02/02/22 11:00 02/02/22 20:11 mg/Kg Xylenes, Total <0.00399 U 0.00399 mg/Kg 02/02/22 11:00 02/02/22 20:11 Surrogate %Recovery Qualifier Limits Prepared Analyzed 4-Bromofluorobenzene (Surr) 121 70 - 130 02/02/22 11:00 02/02/22 20:11

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Dil Fac
Client Sample Results

Job ID: 890-1899-1 SDG: 31403471.006

Lab Sample ID: 890-1899-7

Matrix: Solid

5

Date Collected: 01/31/22 13:17 Date Received: 02/01/22 10:34

Client Sample ID: BH04

Client: WSP USA Inc.

Sampl	e Depth:	0.5	

Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Far Total BTEX <0.00399 U 0.00399 mg/Kg 02/07/22 15:34 Dil Far Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Far Total TPH <50.0 U 50.0 mg/Kg D Prepared Analyzed Dil Far Method: 8015B NM - Diesel Range Organics (DRO) (GC) Mathod: Method: 8015B NM - Diesel Range Organics (DRO) (GC) Mathod: Dil Far Dil Far	Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
AnalyteResultQualifierRLUnitDPreparedAnalyzedDil FarTotal BTEX<0.00399U0.00399mg/KgD02/07/22 15:34Dil FarMethod: 8015 NM - Diesel Range Organics (DRO) (GC)AnalyteResultQualifierRLUnitDPreparedAnalyzedDil FarTotal TPH<50.0U50.0mg/KgDPreparedAnalyzedDil FarGasoline Range Organics(SCO)U50.0mg/Kg02/02/22 14:3602/05/22 17:46Dil FarGasoline Range Organics (Over<50.0U50.0mg/Kg02/02/22 14:3602/05/22 17:46Dil FarCit(C28)Oll Range Organics (Over C28-C36)<50.0U50.0mg/Kg02/02/22 14:3602/05/22 17:46Dil FarSurrogate%RecoveryQualifierLimitsDPreparedAnalyzedDil Far1-Chlorooctane68S1-70 - 13002/02/22 14:3602/05/22 17:46Dil Far02/02/22 17:467870 - 13002/02/22 14:3602/05/22 17:46Dil Far02/02/22 14:3602/05/22 17:4651-70 - 13002/02/22 14:3602/05/22 17:4602/02/22 17:467870 - 13002/02/22 17:46Dil Far02/02/22 17:467870 - 13002/02/22 17:46Dil Far02/02/22 17:467870 - 13002/02/22 17:46Dil Far02/02/22 17:467870 - 13002/02/22 17:46Dil Far <th>1,4-Difluorobenzene (Surr)</th> <th>96</th> <th></th> <th>70 - 130</th> <th colspan="2">02/02/22 11:00 02/02/22 20:-</th> <th>02/02/22 20:11</th> <th></th>	1,4-Difluorobenzene (Surr)	96		70 - 130	02/02/22 11:00 02/02/22 20:-		02/02/22 20:11		
AnalyteResultQualifierRLUnitDPreparedAnalyzedDil FarTotal BTEX<0.00399	Method: Total BTEX - Total BTEX	Calculation							
Method: 8015 NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL Unit D Prepared Analyzed Dil Fai Total TPH <50.0	Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
AnalyteResultQualifierRLUnitDPreparedAnalyzedDil FarTotal TPH<50.0	Total BTEX	<0.00399	U	0.00399	mg/Kg			02/07/22 15:34	
AnalyteResultQualifierRLUnitDPreparedAnalyzedDil FarTotal TPH<50.0	Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fai Gasoline Range Organics <50.0	Analyte			RL	Unit	D	Prepared	Analyzed	Dil Fa
AnalyteResultQualifierRLUnitDPreparedAnalyzedDil FarGasoline Range Organics<50.0	Total TPH	<50.0	U	50.0	mg/Kg			02/07/22 16:46	
AnalyteResultQualifierRLUnitDPreparedAnalyzedDil FarGasoline Range Organics<50.0	Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
GRO)-C6-C10 Diesel Range Organics (Over <50.0				RL	Unit	D	Prepared	Analyzed	Dil Fa
Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 02/02/22 14:36 02/05/22 17:46 C10-C28) Oll Range Organics (Over C28-C36) <50.0	Gasoline Range Organics	<50.0	U *-	50.0	mg/Kg		02/02/22 14:36	02/05/22 17:46	
C10-C28) OII Range Organics (Over C28-C36) <50.0	(GRO)-C6-C10								
Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 02/02/22 14:36 02/05/22 17:46 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fa 1-Chlorooctane 68 S1- 70 - 130 02/02/22 14:36 02/05/22 17:46 Dil Fa 0-Terphenyl 78 70 - 130 02/02/22 14:36 02/05/22 17:46 Dil Fa Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL Unit D Prepared Analyzed Dil Fa		<50.0	U	50.0	mg/Kg		02/02/22 14:36	02/05/22 17:46	
Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fa 1-Chlorooctane 68 S1- 70 - 130 02/02/22 14:36 02/05/22 17:46 Dil Fa 0-Terphenyl 78 70 - 130 02/02/22 14:36 02/05/22 17:46 Dil Fa Method: 300.0 - Anions, Ion Chromatography - Soluble RL Unit D Prepared Analyzed Dil Fa	,								
I-Chlorooctane 68 S1- 70 - 130 02/02/22 14:36 02/05/22 17:46 0-Terphenyl 78 70 - 130 02/02/22 14:36 02/05/22 17:46 Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier RL Unit D Prepared Analyzed Dil Fa	Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/02/22 14:36	02/05/22 17:46	
o-Terphenyl 78 70 - 130 02/02/22 14:36 02/05/22 17:46 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac	Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Prepared Analyzed	1-Chlorooctane	68	S1-	70 - 130			02/02/22 14:36	02/05/22 17:46	
Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fa	o-Terphenyl	78		70 - 130			02/02/22 14:36	02/05/22 17:46	-
	Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Chloride 17.1 5.00 mg/Kg 02/05/22 01:15	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	17.1		5.00	mg/Kg			02/05/22 01:15	

Date Received: 02/01/22 10:34 Sample Depth: 3

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 20:31	1
Toluene	<0.00199	U	0.00199	mg/Kg		02/02/22 11:00	02/02/22 20:31	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		02/02/22 11:00	02/02/22 20:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		02/02/22 11:00	02/02/22 20:31	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		02/02/22 11:00	02/02/22 20:31	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		02/02/22 11:00	02/02/22 20:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130			02/02/22 11:00	02/02/22 20:31	1
1,4-Difluorobenzene (Surr)	107		70 - 130			02/02/22 11:00	02/02/22 20:31	1
- Method: Total BTEX - Total BTI	EX 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 Rang	ge Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

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Job ID: 890-1899-1 SDG: 31403471.006

Client Sample ID: BH04A

Project/Site: Trinity Burrus Unit #011

Date Collected: 01/31/22 13:21 Date Received: 02/01/22 10:34

Client: WSP USA Inc.

Lab Sample ID: 890-1899-8

Matrix: Solid

Method: 8015B NM - Diesel Ran	de Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *-	50.0	mg/Kg		02/02/22 14:36	02/05/22 18:06	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		02/02/22 14:36	02/05/22 18:06	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/02/22 14:36	02/05/22 18:06	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	69	S1-	70 - 130			02/02/22 14:36	02/05/22 18:06	
o-Terphenyl	77		70 - 130			02/02/22 14:36	02/05/22 18:06	
Method: 300.0 - Anions, Ion Chr	omatography -	Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	109	F1	5.00	mg/Kg		·	02/05/22 04:14	
Client Sample ID: BH05						Lah Sar	nple ID: 890-	1800 (
Date Collected: 01/31/22 13:24						Lad Sai		x: Soli
Date Received: 01/31/22 10:34							watri	x: 5010
Sample Depth: 0.5								
Method: 8021B - Volatile Organi	c Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/22 11:00	02/02/22 20:52	
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/22 11:00	02/02/22 20:52	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/22 11:00	02/02/22 20:52	
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		02/02/22 11:00	02/02/22 20:52	
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/22 11:00	02/02/22 20:52	
Xylenes, Total	<0.00401		0.00401	mg/Kg		02/02/22 11:00	02/02/22 20:52	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130			02/02/22 11:00	02/02/22 20:52	
1,4-Difluorobenzene (Surr)	132	S1+	70 - 130			02/02/22 11:00	02/02/22 20:52	
Method: Total BTEX - Total BTE Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX			0.00401			Flepaleu	02/07/22 15:34	
	<0.00401	U	0.00401	mg/Kg			02/07/22 15.34	
Method: 8015 NM - Diesel Range	e Organics (DR	0) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0	mg/Kg			02/07/22 16:46	
_								
Method: 8015B NM - Diesel Ran			Ы	11-14		Drenered	Analyzad	
Analyte	Result <50.0	Qualifier	RL 50.0	Unit	<u>D</u>	Prepared 02/02/22 14:36	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/02/22 14:36	02/05/22 18:29	
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		02/02/22 14:36	02/05/22 18:29	
C10-C28)							00/05/05 15 55	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		02/02/22 14:36	02/05/22 18:29	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane		S1-	70 - 130			02/02/22 14:36	02/05/22 18:29	

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02/05/22 18:29

02/02/22 14:36

o-Terphenyl

70 - 130

67 S1-

		Clien	t Sample Re	sults				
Client: WSP USA Inc.			•				Job ID: 890	-1899-
Project/Site: Trinity Burrus Unit #011							SDG: 31403	471.00
Client Sample ID: BH05						Lab Sar	nple ID: 890-	1899-
Date Collected: 01/31/22 13:24								x: Soli
Date Received: 02/01/22 10:34								
Sample Depth: 0.5								
_ Method: 300.0 - Anions, Ion Chrom	atography	Solublo						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	8.01		4.99	mg/Kg			02/05/22 04:32	
Client Sample ID: BH05A						l ah Sam	ple ID: 890-1	899-1
Date Collected: 01/31/22 13:30						Lab Gam	•	x: Soli
Date Received: 02/01/22 10:34							Wath	x. 3011
Sample Depth: 3								
_								
Method: 8021B - Volatile Organic C Analyte		GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200		0.00200	mg/Kg		02/02/22 11:00	02/02/22 21:12	
Toluene	<0.00200		0.00200	mg/Kg		02/02/22 11:00	02/02/22 21:12	
Ethylbenzene	<0.00200		0.00200	mg/Kg		02/02/22 11:00	02/02/22 21:12	
m-Xylene & p-Xylene	<0.00400		0.00400	mg/Kg		02/02/22 11:00	02/02/22 21:12	
o-Xylene	<0.00200		0.00200	mg/Kg		02/02/22 11:00	02/02/22 21:12	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/02/22 11:00	02/02/22 21:12	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	104		70 - 130			02/02/22 11:00	02/02/22 21:12	
1,4-Difluorobenzene (Surr)	78		70 - 130			02/02/22 11:00	02/02/22 21:12	
Method: Total BTEX - Total BTEX C	alculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00400	U	0.00400	mg/Kg			02/07/22 15:34	
_ Method: 8015 NM - Diesel Range O	rganics (DR	O) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9	mg/Kg			02/07/22 16:46	
_ Method: 8015B NM - Diesel Range	Organics (D							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<49.9		49.9	mg/Kg		02/02/22 14:36	02/05/22 18:51	
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		02/02/22 14:36	02/05/22 18:51	
C10-C28)			10.0					
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		02/02/22 14:36	02/05/22 18:51	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
1-Chlorooctane	68	S1-	70 - 130			02/02/22 14:36	02/05/22 18:51	
o-Terphenyl	78		70 - 130			02/02/22 14:36	02/05/22 18:51	
_ Method: 300.0 - Anions, Ion Chrom	atography -	Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	54.6		4 98	ma/Ka			02/05/22 04:38	

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02/05/22 04:38

Chloride

4.98

mg/Kg

54.6

Method: 8021B - Volatile Organic Compounds (GC) Matrix: Solid

-				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-10781-A-13-F MS	Matrix Spike	137 S1+	107	
880-10781-A-13-G MSD	Matrix Spike Duplicate	116	83	
890-1892-A-1-A MS	Matrix Spike	106	85	
890-1892-A-1-B MSD	Matrix Spike Duplicate	99	101	
890-1899-1	BH01	142 S1+	108	
890-1899-2	BH01A	110	100	
890-1899-3	BH02	115	97	
890-1899-4	BH02A	103	84	
890-1899-5	BH03	106	105	
890-1899-6	BH03A	106	88	
890-1899-7	BH04	121	96	
890-1899-8	BH04A	131 S1+	107	
890-1899-9	BH05	174 S1+	132 S1+	
890-1899-10	BH05A	104	78	
LCS 880-18258/1-A	Lab Control Sample	90	94	
LCS 880-18304/1-A	Lab Control Sample	116	98	
LCSD 880-18258/2-A	Lab Control Sample Dup	101	101	
LCSD 880-18304/2-A	Lab Control Sample Dup	110	95	
MB 880-18258/5-A	Method Blank	97	79	
MB 880-18304/5-A	Method Blank	127	101	

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

				Percent Surrogate Re
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1899-1	BH01	71	78	
890-1899-1 MS	BH01	61 S1-	60 S1-	
890-1899-1 MSD	BH01	68 S1-	67 S1-	
890-1899-2	BH01A	55 S1-	61 S1-	
890-1899-3	BH02	65 S1-	74	
890-1899-4	BH02A	64 S1-	76	
890-1899-5	BH03	69 S1-	77	
890-1899-6	BH03A	66 S1-	74	
890-1899-7	BH04	68 S1-	78	
890-1899-8	BH04A	69 S1-	77	
890-1899-9	BH05	60 S1-	67 S1-	
890-1899-10	BH05A	68 S1-	78	
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

Prep Type: Total/NA

Job ID: 890-1899-1 SDG: 31403471.006

Prep Type: Total/NA

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Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-18258/5-A
Matrix: Solid

Analysis Batch: 18331

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/02/22 08:00	02/02/22 11:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/02/22 08:00	02/02/22 11:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/02/22 08:00	02/02/22 11:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/02/22 08:00	02/02/22 11:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/02/22 08:00	02/02/22 11:12	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/02/22 08:00	02/02/22 11:12	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			02/02/22 08:00	02/02/22 11:12	1
1,4-Difluorobenzene (Surr)	79		70 - 130			02/02/22 08:00	02/02/22 11:12	1

Lab Sample ID: LCS 880-18258/1-A Matrix: Solid

Analysis Batch: 18331

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08040		mg/Kg		80	70 - 130	
Toluene	0.100	0.07602		mg/Kg		76	70 - 130	
Ethylbenzene	0.100	0.07693		mg/Kg		77	70 - 130	
m-Xylene & p-Xylene	0.200	0.1446		mg/Kg		72	70 - 130	
o-Xylene	0.100	0.07947		mg/Kg		79	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-18258/2-A

Matrix: Solid

Analysis Batch: 18331				Prep Batch: 18258						
	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08317		mg/Kg		83	70 - 130	3	35	
Toluene	0.100	0.07989		mg/Kg		80	70 - 130	5	35	
Ethylbenzene	0.100	0.08203		mg/Kg		82	70 - 130	6	35	
m-Xylene & p-Xylene	0.200	0.1684		mg/Kg		84	70 - 130	15	35	
o-Xylene	0.100	0.08378		mg/Kg		84	70 - 130	5	35	

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

Lab Sample ID: 890-1892-A-1-A MS

Matrix: Solid Analysis Potoby 19221

Analysis Batch: 18331									Prep Batch: 18258
	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Benzene	<0.00201	U F1	0.101	0.05707	F1	mg/Kg		57	70 - 130
Toluene	<0.00201	U F1	0.101	0.06223	F1	mg/Kg		62	70 - 130

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Prep Type: Total/NA

Client Sample ID: Matrix Spike

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Job ID: 890-1899-1 SDG: 31403471.006

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 18258

Prep Type: Total/NA

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Prep Batch: 18258

13

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MS MS

0.06630 F1

0.1286 F1

0.06102 F1

Result Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

Spike

Added

0.101

0.202

0.101

Limits

Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #011

Lab Sample ID: 890-1892-A-1-A MS

Matrix: Solid

Analyte

o-Xylene

Surrogate

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 18331

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

Sample Sample

<0.00201 U F1

<0.00402 UF1

<0.00201 UF1

MS MS

%Recovery Qualifier

Result Qualifier

Job ID: 890-1899-1 SDG: 31403471.006

Prep Type: Total/NA

1

1

Prep Batch: 18258

Client Sample ID: Matrix Spike

%Rec.

Limits

70 - 130

70 - 130

70 - 130

%Rec

66

64

61

D

4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	85		70 - 130								
Lab Sample ID: 890-1892-A-	I-B MSD					Cli	ient Sa	ample IC): Matrix Sp	oike Dup	licate
Matrix: Solid									Prep T	ype: To	tal/NA
Analysis Batch: 18331									Prep	Batch:	18258
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	< 0.00201	U F1	0.0998	0.07087		mg/Kg		71	70 - 130	22	35
Toluene	<0.00201	U F1	0.0998	0.06713	F1	mg/Kg		67	70 - 130	8	35
Ethylbenzene	<0.00201	U F1	0.0998	0.06713	F1	mg/Kg		67	70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U F1	0.200	0.1374	F1	mg/Kg		69	70 - 130	7	35
o-Xylene	< 0.00201	U F1	0.0998	0.06773	F1	mg/Kg		68	70 - 130	10	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

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

	MB	MB						
Analyte	Result	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
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

4-Bromofluorobenzene (Surr)	127	70 - 130
1,4-Difluorobenzene (Surr)	101	70 - 130
_		

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

	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%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

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Prep Type: Total/NA

Prep Batch: 18304

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Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 18304

02/02/22 11:47

02/02/22 11:47

Client Sample ID: Lab Control Sample

02/01/22 15:55

02/01/22 15:55

Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #011

Lab Sample ID: LCS 880-18304/1-A

Matrix: Solid

Job ID: 890-1899-1 SDG: 31403471.006

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

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

Analysis Batch: 18332									Drop	Datahu	40204
			Spike	1.09	LCS				%Rec.	Batch:	18304
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
o-Xylene			0.100	0.09235	Quanner	mg/Kg		92	70 - 130		
5-Aylene			0.100	0.03233		mg/itg		52	70 - 150		
	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)			70 _ 130								
1,4-Difluorobenzene (Surr)	98		70 - 130								
Lab Sample ID: LCSD 880-1	8304/2-A					Clie	nt Sam	nple ID: I	Lab Contro	ol Sample	e Dup
Matrix: Solid										Type: Tot	
Analysis Batch: 18332										Batch:	
			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
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 % Bacavary		Limits								
4-Bromofluorobenzene (Surr)	%Recovery 110	Quaimer	70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130 70 - 130								
Lab Sample ID: 880-10781-A Matrix: Solid									Sample ID		
Analysis Batch: 18332										Type: Tot Batch:	
Analysis Batch: 18332	Sample	Sample	Spike	MS	MS					Type: To Batch:	
Analysis Batch: 18332		Sample Qualifier	Spike Added		MS Qualifier	Unit	D	%Rec	Prep		
Analyte						Unit mg/Kg	D	%Rec 77	Prep %Rec.		
Analyte Benzene	Result	Qualifier U F2 F1	Added	Result			D		Prep %Rec. Limits		
Analyte Benzene Toluene	Result <0.00199	Qualifier U F2 F1 U F2 F1	Added	Result 0.07646		mg/Kg mg/Kg	<u> </u>	77	Prep %Rec. Limits 70 - 130		
Analyte Benzene Toluene Ethylbenzene	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F2 F1	Added 0.0998 0.0998 0.0998	Result 0.07646 0.08485		mg/Kg mg/Kg mg/Kg	<u> </u>	77 85	Prep %Rec. Limits 70 - 130 70 - 130		
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F2 F1 U F2 F1	Added 0.0998 0.0998	Result 0.07646 0.08485 0.09338		mg/Kg mg/Kg	<u> </u>	77 85 94	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130		
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F2 F1 U F2 F1 U F1	Added 0.0998 0.0998 0.0998 0.200	Result 0.07646 0.08485 0.09338 0.1752		mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	77 85 94 88	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130		
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F2 F1 U F1 <i>MS</i>	Added 0.0998 0.0998 0.0998 0.200	Result 0.07646 0.08485 0.09338 0.1752		mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	77 85 94 88	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130		
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F2 F1 U F1 MS Qualifier	Added 0.0998 0.0998 0.200 0.0998 Limits	Result 0.07646 0.08485 0.09338 0.1752		mg/Kg mg/Kg mg/Kg mg/Kg	<u> </u>	77 85 94 88	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130		
Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F2 F1 U F1 <i>MS</i>	Added 0.0998 0.0998 0.200 0.0998	Result 0.07646 0.08485 0.09338 0.1752		mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	77 85 94 88	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130		
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F2 F1 U F1 MS Qualifier	Added 0.0998 0.0998 0.0998 0.200 0.0998	Result 0.07646 0.08485 0.09338 0.1752		mg/Kg mg/Kg mg/Kg mg/Kg		77 85 94 88 91	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Batch:	18304
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-10781-A	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F2 F1 U F1 MS Qualifier	Added 0.0998 0.0998 0.0998 0.200 0.0998	Result 0.07646 0.08485 0.09338 0.1752		mg/Kg mg/Kg mg/Kg mg/Kg		77 85 94 88 91	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Batch:	18304
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-10781-A Matrix: Solid	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F2 F1 U F1 MS Qualifier	Added 0.0998 0.0998 0.0998 0.200 0.0998	Result 0.07646 0.08485 0.09338 0.1752		mg/Kg mg/Kg mg/Kg mg/Kg		77 85 94 88 91	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	Dike Dup	18304
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-10781-A Matrix: Solid	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F2 F1 U F1 MS Qualifier S1+	Added 0.0998 0.0998 0.200 0.0998 0.200 0.0998 0.200 0.0998 0.200 0.0998 0.0998 0.0998 0.0998 0.0998 0.0998 0.0998 0.0998	Result 0.07646 0.08485 0.09338 0.1752 0.09049	Qualifier	mg/Kg mg/Kg mg/Kg mg/Kg		77 85 94 88 91	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 9: Matrix Sp Prep 1 Prep 1	Batch:	olicate tal/NA 18304
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-10781-A Matrix: Solid Analysis Batch: 18332	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F2 F1 U F1 MS Qualifier S1+	Added 0.0998 0.0998 0.200 0.0998 Limits 70 - 130 70 - 130 70 - 130	Result 0.07646 0.08485 0.09338 0.1752 0.09049 MSD	Qualifier	mg/Kg mg/Kg mg/Kg mg/Kg	ient Sa	77 85 94 88 91	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 9: Matrix Sp Prep 7 Prep 7 %Rec.	oike Dup Type: Tot Batch:	olicate tal/NA 18304 RPD
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-10781-A Matrix: Solid Analysis Batch: 18332 Analyte	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F1 MS Qualifier S1+ Sample Qualifier	Added 0.0998 0.0998 0.200 0.0998 Limits 70 - 130 70 - 130 70 - 130	Result 0.07646 0.08485 0.09338 0.1752 0.09049 MSD Result	Qualifier MSD Qualifier	mg/Kg mg/Kg mg/Kg mg/Kg Cl		77 85 94 88 91 ample ID	Prep %Rec. Limits 70 - 130 70 - 190 70 - 130 70 - 130	pike Dup Type: Tot Batch: 	Dicate tal/NA 18304 RPD Limit
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-10781-A Matrix: Solid Analysis Batch: 18332 Analyte Benzene	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F1 MS Qualifier S1+	Added 0.0998 0.0998 0.200 0.0998 <i>Limits</i> 70 - 130 70 - 130 70 - 130 70 - 130	Result 0.07646 0.08485 0.09338 0.1752 0.09049	Qualifier MSD Qualifier F2 F1	mg/Kg mg/Kg mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	77 85 94 88 91 91 ample ID %Rec 52	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 9: Matrix Sp Prep %Rec. Limits 70 - 130	pike Dup Type: Tot Batch: <u>RPD</u> 37	blicate tal/NA 18304 RPD Limit 35
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-10781-A Matrix: Solid Analysis Batch: 18332 Analyte Benzene Toluene	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F1 MS Qualifier S1+	Added 0.0998 0.0998 0.200 0.0998 0.200 0.0998 0.200 0.0998 0.200 0.0998 0.200 0.0998 0.200 0.0998 Limits 70 - 130 70 - 130 70 - 130 Spike Added 0.100 0.100	Result 0.07646 0.08485 0.09338 0.1752 0.09049 MSD Result 0.05224 0.05902	Qualifier MSD Qualifier F2 F1 F2 F1	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	ient Sa	77 85 94 88 91 91 ample ID <u>%Rec</u> 52 59	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Prep %Rec. Limits 70 - 130 70 - 130 70 - 130	pike Dup Type: Tot Batch: 	0licate tal/NA 18304 RPD Limit 35 35
Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-10781-A Matrix: Solid Analysis Batch: 18332 Analyte Benzene	Result <0.00199	Qualifier U F2 F1 U F2 F1 U F2 F1 U F1 MS Qualifier S1+ Sample Qualifier U F2 F1	Added 0.0998 0.0998 0.200 0.0998 <i>Limits</i> 70 - 130 70 - 130 70 - 130 70 - 130	Result 0.07646 0.08485 0.09338 0.1752 0.09049	Qualifier MSD Qualifier F2 F1 F2 F1 F2 F1	mg/Kg mg/Kg mg/Kg mg/Kg Cl Unit mg/Kg	ient Sa	77 85 94 88 91 91 ample ID %Rec 52	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 9: Matrix Sp Prep %Rec. Limits 70 - 130	pike Dup Type: Tot Batch: <u>RPD</u> 37	blicate tal/NA 18304 RPD Limit 35

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Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #011

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

Lab Sample ID: 880-10781-A-1 Matrix: Solid	3-G MSD							Clie	nt Sa	ample ID:	Matrix Spike Prep Typ		
Analysis Batch: 18332											Prep Ba		
-													
Surrogata	MSD % Recovery	Qua		Limito									
Surrogate 4-Bromofluorobenzene (Surr)	%Recovery 116	Qua	imer	Limits 70 - 130									
1,4-Difluorobenzene (Surr)	83			70 - 130 70 - 130									
			. (DD										
lethod: 8015B NM - Diese	Range Or	gar	IICS (DR	(GC)									
Lab Sample ID: MB 880-18406	/1 -A									Client Sa	ample ID: Me	thod	Blanl
Matrix: Solid											Prep Typ	e: To	tal/N/
Analysis Batch: 18623											Prep Ba	atch:	1840
		ΜВ	MB										
Analyte	Re	sult	Qualifier	RL		U	nit	D	P	repared	Analyzed		Dil Fac
Gasoline Range Organics	<	50.0	U	50.0		m	g/Kg		02/0	2/22 14:36	02/05/22 13:4	13	1
(GRO)-C6-C10	-	50 Q		E0.0			alka		0.0/0	0/00 44.00	02/05/22 42	12	
Diesel Range Organics (Over C10-C28)	<	50.0	U	50.0		m	g/Kg		02/0	2/22 14:36	02/05/22 13:4	ŀð	
Oll Range Organics (Over C28-C36)	<	50.0	U	50.0		m	g/Kg		02/0	2/22 14:36	02/05/22 13:4	13	
		ΜВ	МВ										
Surrogate	%Reco	very	Qualifier	Limits					P	repared	Analyzed		Dil Fa
1-Chlorooctane		72		70 - 130					02/0	02/22 14:36	02/05/22 13:4	43	
o-Terphenyl		85		70 - 130					02/0	02/22 14:36	02/05/22 13:4	43	
Lab Sample ID: LCS 880-1840	6/2-A							С	lient	Sample	ID: Lab Cont	rol S	ample
Matrix: Solid											Prep Typ	e: To	tal/NA
Analysis Batch: 18623											Prep Ba	atch:	1840
				Spike	LCS	LCS					%Rec.		
Analyte				Added		Qualifie	er Unit		D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10				1000	694.9	*-	mg/Kg			69	70 - 130		
Diesel Range Organics (Over				1000	953.7		mg/Kg			95	70 - 130		
C10-C28)				1000	000.1		mgrig			00	10-100		
	LCS	LCS											
Surrogate	%Recovery	Qua	lifier	Limits									
1-Chlorooctane	91			70 - 130									
o-Terphenyl	96			70 - 130									
Lab Sample ID: LCSD 880-184	06/3-A						C	lient	San	nple ID: L	ab Control S	ampl	e Dur
Matrix: Solid											Prep Typ	e: To	tal/N/
Analysis Batch: 18623											Prep Ba	atch:	18406
				Spike	LCSD	LCSD					%Rec.		RPD
Analyte				Added	Result	Qualifie	er Unit		D	%Rec	Limits	RPD	Limi
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
,	LCSD	LCS	D										
Surrogate		Qua		Limits									
1-Chlorooctane	86			70 - 130									
	50												

Job ID: 890-1899-1 SDG: 31403471.006

o-Terphenyl

70 - 130

MS MS

798.7

918.7

Result Qualifier

Unit

mg/Kg

mg/Kg

D

%Rec

77

92

Spike

Added

1000

1000

Limits

70 - 130

70 - 130

70 - 130

Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #011

Lab Sample ID: 890-1899-1 MS

Analysis Batch: 18623

Gasoline Range Organics

Diesel Range Organics (Over

Matrix: Solid

(GRO)-C6-C10

Analyte

C10-C28)

Surrogate

o-Terphenyl

o-Terphenyl

1-Chlorooctane

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

Sample Sample

<50.0 U*-

MS MS

61 S1-

60 S1-

67 S1-

%Recovery Qualifier

<50.0 U

Result Qualifier

Job ID: 890-1899-1 SDG: 31403471.006

Client Sample ID: BH01

%Rec.

Limits

70 - 130

70 - 130

Prep Type: Total/NA

Prep Batch: 18406

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

Lab Sample ID: 890-1899-1 MS Matrix: Solid Analysis Batch: 18623	D									nple ID: ype: To Batch:	tal/NA
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	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
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	68	S1-	70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-18363/1-A Matrix: Solid Analysis Batch: 18607									Client S	Sample ID: Me Prep Ty	thod Blank pe: Soluble
	МВ	МВ									
Analyte	Result	Qualifier		RL		Unit		D F	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U		5.00		mg/K	g			02/04/22 22:	17 1
Lab Sample ID: LCS 880-18363/2-A								Clien	t Sample	e ID: Lab Cont	rol Sample
Matrix: Solid										Prep Ty	pe: Soluble
Analysis Batch: 18607											
			Spike		LCS	LCS				%Rec.	
Analyte			Added		Result	Qualifier	Unit	D	%Rec	Limits	
Chloride			250		246.6		mg/Kg		99	90 - 110	
Lab Sample ID: LCSD 880-18363/3-A							CI	ient San	nple ID:	Lab Control S	ample Dup
Matrix: Solid										Prep Ty	pe: Soluble
Analysis Batch: 18607											
			Spike		LCSD	LCSD				%Rec.	RPD
Analyte			Added		Result	Qualifier	Unit	D	%Rec	Limits	RPD Limit
Chloride			250		269.2		mg/Kg		108	90 - 110	9 20

Client: WSP USA Inc.

Job ID: 890-1899-1 SDG: 31403471.006

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1896-A-1-B M	S							Clien	it Sample ID		-
Matrix: Solid									Prep	Type: S	Soluble
Analysis Batch: 18607											
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	114	F1	248	399.7	F1	mg/Kg		116	90 - 110		
Lab Sample ID: 890-1896-A-1-B M	SD						Client S	Sample	D: Matrix S	pike Duj	plicat
Matrix: Solid									Prep	Type: S	olubl
Analysis Batch: 18607											
-	Sample	Sample	Spike	MSD	MSD				%Rec.		RP
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Chloride	114	F1	248	343.9		mg/Kg		93	90 _ 110	15	2
Lab Sample ID: MB 880-18570/1-/								Client	Sample ID:	Method	Blan
Matrix: Solid										Type: S	
Analysis Batch: 18622										.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
		МВ МВ									
Analyte	R	esult Qualifier		RL	Unit		D	Prepared	Analyz	zed	Dil Fa
Chloride		<5.00 U		5.00	mg/Kg				02/05/22		2
Lab Sample ID: LCS 880-18570/2-	Α						Clier	nt Samp	le ID: Lab C	ontrol S	Sampl
									Prep	Type: S	Solub
Matrix: Solid											
Matrix: Solid Analysis Batch: 18622										.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Matrix: Solid Analysis Batch: 18622			Spike	LCS	LCS				%Rec.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Analysis Batch: 18622			Spike Added		LCS Qualifier	Unit	D	%Rec	-	.,,	
						Unit mg/Kg	D	%Rec 107	%Rec.		
Analysis Batch: 18622 Analyte Chloride	 3-A		Added	Result		mg/Kg		107	%Rec. Limits 90 - 110		
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/2	3-A		Added	Result		mg/Kg		107	%Rec. Limits 90 - 110		le Du
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/3 Matrix: Solid	 3-A		Added	Result		mg/Kg		107	%Rec. Limits 90 - 110		le Du
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/3 Matrix: Solid	3-A		Added	Result 267.9		mg/Kg		107	%Rec. Limits 90 - 110		le Du Solubl
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/3 Matrix: Solid Analysis Batch: 18622	3-A		Added 250	Result 267.9 LCSD	Qualifier	mg/Kg		107 mple ID:	%Rec. Limits 90 - 110 Lab Contro Prep		le Du Solubi RP
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/3 Matrix: Solid	3-A		Added 250 Spike	Result 267.9 LCSD	Qualifier	mg/Kg Cli	ent Sa	107 mple ID:	%Rec. Limits 90 - 110 Lab Contro Prep %Rec.	ol Samp Type: S	le Du Solubi RP Lim
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/3 Matrix: Solid Analysis Batch: 18622 Analyte Chloride	3-A		Added 250 Spike Added	Result 267.9 LCSD Result	Qualifier	mg/Kg Cli Unit	ent Sa	107 mple ID: %Rec	%Rec. Limits 90 - 110 E Lab Control Prep %Rec. Limits 90 - 110	DI Samp Type: S <u>RPD</u> 8	le Du Solub RP Lim 2
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/3 Matrix: Solid Analysis Batch: 18622 Analyte Chloride Lab Sample ID: 890-1899-8 MS	3-A		Added 250 Spike Added	Result 267.9 LCSD Result	Qualifier	mg/Kg Cli Unit	ent Sa	107 mple ID: %Rec	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sam	DI Samp Type: S RPD 8 ple ID: E	le Du Solubi RP Lim 2 BH04/
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/3 Matrix: Solid Analysis Batch: 18622 Analyte Chloride Lab Sample ID: 890-1899-8 MS Matrix: Solid	3-A		Added 250 Spike Added	Result 267.9 LCSD Result	Qualifier	mg/Kg Cli Unit	ent Sa	107 mple ID: %Rec	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sam	DI Samp Type: S <u>RPD</u> 8	le Du Solubi RP Lim 2 BH04/
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/3 Matrix: Solid Analysis Batch: 18622 Analyte Chloride Lab Sample ID: 890-1899-8 MS			Added 250 Spike Added 250	Result 267.9 LCSD Result 246.7	Qualifier LCSD Qualifier	mg/Kg Cli Unit	ent Sa	107 mple ID: %Rec	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sam Prep	DI Samp Type: S RPD 8 ple ID: E	le Du Solubi RP Lim 2 BH04/
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/3 Matrix: Solid Analysis Batch: 18622 Analyte Chloride Lab Sample ID: 890-1899-8 MS Matrix: Solid Analysis Batch: 18622	Sample	Sample Qualifier	Added 250 Spike Added 250 Spike	Result 267.9 LCSD Result 246.7	Qualifier	mg/Kg Cli Unit mg/Kg	ent Sa	107 mple ID %Rec 99	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sam Prep %Rec.	DI Samp Type: S RPD 8 ple ID: E	le Dup Soluble RPI Limi 2 BH04/
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/3 Matrix: Solid Analysis Batch: 18622 Analyte Chloride Lab Sample ID: 890-1899-8 MS Matrix: Solid Analysis Batch: 18622 Analyte	Sample	Qualifier	Added 250 Spike Added 250	Result 267.9 LCSD Result 246.7	Qualifier LCSD Qualifier MS	mg/Kg Cli Unit	ent Sa	107 mple ID %Rec 99	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sam Prep	DI Samp Type: S RPD 8 ple ID: E	le Du Solubi RP Lim 2 BH04/
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/3 Matrix: Solid Analysis Batch: 18622 Analyte Chloride Lab Sample ID: 890-1899-8 MS Matrix: Solid Analysis Batch: 18622 Analyte Chloride	Sample Result	Qualifier	Added 250 Spike Added 250 Spike Added	Result 267.9 LCSD Result 246.7 MS Result	Qualifier LCSD Qualifier MS	mg/Kg Cli Unit mg/Kg	ent Sa	107 mple ID %Rec 99	%Rec. Limits 90 - 110 : Lab Contro Prep %Rec. Limits 90 - 110 Client Sam Prep %Rec. Limits 90 - 110 Client Sam Prep %Rec. Limits 90 - 110 90 - 110	ol Samp Type: S <u>RPD</u> 8 ple ID: E Type: S	le Du Solubi <u>Lim</u> 2 BH04, Solubi
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/ Matrix: Solid Analysis Batch: 18622 Analyte Chloride Lab Sample ID: 890-1899-8 MS Matrix: Solid Analysis Batch: 18622 Analyte Chloride Lab Sample ID: 890-1899-8 MSD	Sample Result	Qualifier	Added 250 Spike Added 250 Spike Added	Result 267.9 LCSD Result 246.7 MS Result	Qualifier LCSD Qualifier MS	mg/Kg Cli Unit mg/Kg	ent Sa	107 mple ID %Rec 99	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sam 90 - 110 Client Sam	ol Samp Type: S <u>RPD</u> 8 ple ID: E Type: S 	le Du Solubi RP Lim 2 BH04, Solubi BH04,
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/3 Matrix: Solid Analysis Batch: 18622 Analyte Chloride Lab Sample ID: 890-1899-8 MS Matrix: Solid Analysis Batch: 18622 Analyte Chloride Lab Sample ID: 890-1899-8 MSD Matrix: Solid	Sample Result	Qualifier	Added 250 Spike Added 250 Spike Added	Result 267.9 LCSD Result 246.7 MS Result	Qualifier LCSD Qualifier MS	mg/Kg Cli Unit mg/Kg	ent Sa	107 mple ID %Rec 99	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sam 90 - 110 Client Sam	ol Samp Type: S <u>RPD</u> 8 ple ID: E Type: S	le Du Solubi RP Lim 2 BH04, Solubi BH04,
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/3 Matrix: Solid Analysis Batch: 18622 Analyte Chloride Lab Sample ID: 890-1899-8 MS Matrix: Solid Analyte Chloride Lab Sample ID: 890-1899-8 MSD Matrix: Solid	Sample Result 109	Qualifier F1	Added 250 Spike Added 250 Spike Added 250	Result 267.9 LCSD Result 246.7 MS Result 345.0	Qualifier LCSD Qualifier MS Qualifier	mg/Kg Cli Unit mg/Kg	ent Sa	107 mple ID %Rec 99	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sam Prep %Rec. Limits 90 - 110 Client Sam Prep	ol Samp Type: S <u>RPD</u> 8 ple ID: E Type: S 	le Duj RPI Lim 2 BH04/ Soluble BH04/ Soluble
Analysis Batch: 18622 Analyte Chloride Lab Sample ID: LCSD 880-18570/3 Matrix: Solid Analysis Batch: 18622 Analyte Chloride Lab Sample ID: 890-1899-8 MS Matrix: Solid	Sample Result 109 Sample	Qualifier	Added 250 Spike Added 250 Spike Added	Result 267.9 LCSD Result 246.7 MS Result 345.0	Qualifier LCSD Qualifier MS	mg/Kg Cli Unit mg/Kg	ent Sa	107 mple ID %Rec 99	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sam 90 - 110 Client Sam	ol Samp Type: S <u>RPD</u> 8 ple ID: E Type: S 	le Dup Soluble Limi 20 BH04/ Soluble BH04/

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Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #011

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Job ID: 890-1899-1 SDG: 31403471.006

GC VOA

Prep Batch: 18258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-1899-1	BH01	Total/NA	Solid	5035	
890-1899-2	BH01A	Total/NA	Solid	5035	
890-1899-3	BH02	Total/NA	Solid	5035	
890-1899-4	BH02A	Total/NA	Solid	5035	
390-1899-5	BH03	Total/NA	Solid	5035	
MB 880-18258/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-18258/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18258/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1892-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-1892-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 18304

LCS 880-18258/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-18258/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	8
890-1892-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	_
890-1892-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	9
Prep Batch: 18304					10
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1899-6	BH03A	Total/NA	Solid	5035	11
890-1899-7	BH04	Total/NA	Solid	5035	
890-1899-8	BH04A	Total/NA	Solid	5035	
890-1899-9	BH05	Total/NA	Solid	5035	
890-1899-10	BH05A	Total/NA	Solid	5035	4.9
MB 880-18304/5-A	Method Blank	Total/NA	Solid	5035	1.5
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: 18331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1899-1	BH01	Total/NA	Solid	8021B	18258
890-1899-2	BH01A	Total/NA	Solid	8021B	18258
890-1899-3	BH02	Total/NA	Solid	8021B	18258
890-1899-4	BH02A	Total/NA	Solid	8021B	18258
890-1899-5	BH03	Total/NA	Solid	8021B	18258
MB 880-18258/5-A	Method Blank	Total/NA	Solid	8021B	18258
LCS 880-18258/1-A	Lab Control Sample	Total/NA	Solid	8021B	18258
LCSD 880-18258/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	18258
890-1892-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	18258
890-1892-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	18258

Analysis Batch: 18332

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1899-6	BH03A	Total/NA	Solid	8021B	18304
890-1899-7	BH04	Total/NA	Solid	8021B	18304
890-1899-8	BH04A	Total/NA	Solid	8021B	18304
890-1899-9	BH05	Total/NA	Solid	8021B	18304
890-1899-10	BH05A	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

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Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #011

Job ID: 890-1899-1 SDG: 31403471.006

GC VOA

Analysis Batch: 18770

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1899-1	BH01	Total/NA	Solid	Total BTEX	
890-1899-2	BH01A	Total/NA	Solid	Total BTEX	
890-1899-3	BH02	Total/NA	Solid	Total BTEX	
890-1899-4	BH02A	Total/NA	Solid	Total BTEX	
890-1899-5	BH03	Total/NA	Solid	Total BTEX	
890-1899-6	BH03A	Total/NA	Solid	Total BTEX	
890-1899-7	BH04	Total/NA	Solid	Total BTEX	
890-1899-8	BH04A	Total/NA	Solid	Total BTEX	
890-1899-9	BH05	Total/NA	Solid	Total BTEX	
890-1899-10	BH05A	Total/NA	Solid	Total BTEX	
GC Semi VOA Prep Batch: 18406					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1899-1	BH01	Total/NA	Solid	8015NM Prep	
890-1899-2	BH01A	Total/NA	Solid	8015NM Prep	
890-1899-3	BH02	Total/NA	Solid	8015NM Prep	
890-1899-4	BH02A	Total/NA	Solid	8015NM Prep	
890-1899-5	BH03	Total/NA	Solid	8015NM Prep	
890-1899-6	BH03A	Total/NA	Solid	8015NM Prep	

GC Semi VOA

Prep Batch: 18406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1899-1	BH01	Total/NA	Solid	8015NM Prep	
890-1899-2	BH01A	Total/NA	Solid	8015NM Prep	
890-1899-3	BH02	Total/NA	Solid	8015NM Prep	
890-1899-4	BH02A	Total/NA	Solid	8015NM Prep	
890-1899-5	BH03	Total/NA	Solid	8015NM Prep	
890-1899-6	BH03A	Total/NA	Solid	8015NM Prep	
890-1899-7	BH04	Total/NA	Solid	8015NM Prep	
890-1899-8	BH04A	Total/NA	Solid	8015NM Prep	
890-1899-9	BH05	Total/NA	Solid	8015NM Prep	
890-1899-10	BH05A	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	
890-1899-1 MS	BH01	Total/NA	Solid	8015NM Prep	
890-1899-1 MSD	BH01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 18623

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1899-1	BH01	Total/NA	Solid	8015B NM	18406
890-1899-2	BH01A	Total/NA	Solid	8015B NM	18406
890-1899-3	BH02	Total/NA	Solid	8015B NM	18406
890-1899-4	BH02A	Total/NA	Solid	8015B NM	18406
890-1899-5	BH03	Total/NA	Solid	8015B NM	18406
890-1899-6	BH03A	Total/NA	Solid	8015B NM	18406
890-1899-7	BH04	Total/NA	Solid	8015B NM	18406
890-1899-8	BH04A	Total/NA	Solid	8015B NM	18406
890-1899-9	BH05	Total/NA	Solid	8015B NM	18406
890-1899-10	BH05A	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
890-1899-1 MS	BH01	Total/NA	Solid	8015B NM	18406
890-1899-1 MSD	BH01	Total/NA	Solid	8015B NM	18406

Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #011 Job ID: 890-1899-1

SDG: 31403471.006

GC Semi VOA

Analysis Batch: 18777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1899-1	BH01	Total/NA	Solid	8015 NM	
890-1899-2	BH01A	Total/NA	Solid	8015 NM	
890-1899-3	BH02	Total/NA	Solid	8015 NM	
390-1899-4	BH02A	Total/NA	Solid	8015 NM	
390-1899-5	BH03	Total/NA	Solid	8015 NM	
390-1899-6	BH03A	Total/NA	Solid	8015 NM	
390-1899-7	BH04	Total/NA	Solid	8015 NM	
390-1899-8	BH04A	Total/NA	Solid	8015 NM	
890-1899-9	BH05	Total/NA	Solid	8015 NM	
890-1899-10	BH05A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 18363

890-1899-7	BH04	Iotal/NA	Solid	8015 NM	
890-1899-8	BH04A	Total/NA	Solid	8015 NM	3
890-1899-9	BH05	Total/NA	Solid	8015 NM	-
890-1899-10	BH05A	Total/NA	Solid	8015 NM	
HPLC/IC					1
Leach Batch: 18363					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1899-1	BH01	Soluble	Solid	DI Leach	
890-1899-2	BH01A	Soluble	Solid	DI Leach	
890-1899-3	BH02	Soluble	Solid	DI Leach	
890-1899-4	BH02A	Soluble	Solid	DI Leach	
890-1899-5	BH03	Soluble	Solid	DI Leach	
890-1899-6	BH03A	Soluble	Solid	DI Leach	
890-1899-7	BH04	Soluble	Solid	DI Leach	
MB 880-18363/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-18363/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-18363/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1896-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1896-A-1-B MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 18570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1899-8	BH04A	Soluble	Solid	DI Leach	
890-1899-9	BH05	Soluble	Solid	DI Leach	
890-1899-10	BH05A	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	
890-1899-8 MS	BH04A	Soluble	Solid	DI Leach	
890-1899-8 MSD	BH04A	Soluble	Solid	DI Leach	

Analysis Batch: 18607

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1899-1	BH01	Soluble	Solid	300.0	18363
890-1899-2	BH01A	Soluble	Solid	300.0	18363
890-1899-3	BH02	Soluble	Solid	300.0	18363
890-1899-4	BH02A	Soluble	Solid	300.0	18363
890-1899-5	BH03	Soluble	Solid	300.0	18363
890-1899-6	BH03A	Soluble	Solid	300.0	18363
890-1899-7	BH04	Soluble	Solid	300.0	18363
MB 880-18363/1-A	Method Blank	Soluble	Solid	300.0	18363
LCS 880-18363/2-A	Lab Control Sample	Soluble	Solid	300.0	18363
LCSD 880-18363/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	18363

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Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #011

HPLC/IC (Continued)

Analysis Batch: 18607 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1896-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	18363
890-1896-A-1-B MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	18363
Analysis Batch: 18622					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1899-8	BH04A	Soluble	Solid	300.0	18570
890-1899-9	BH05	Soluble	Solid	300.0	18570

890-1899-9	BH05	Soluble	Solid	300.0
890-1899-10	BH05A	Soluble	Solid	300.0
MB 880-18570/1-A	Method Blank	Soluble	Solid	300.0
LCS 880-18570/2-A	Lab Control Sample	Soluble	Solid	300.0
LCSD 880-18570/3-A	Lab Control Sample Dup	Soluble	Solid	300.0
890-1899-8 MS	BH04A	Soluble	Solid	300.0
890-1899-8 MSD	BH04A	Soluble	Solid	300.0

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18570

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Job ID: 890-1899-1 SDG: 31403471.006

Lab Sample ID: 890-1899-1 Matrix: Solid

Lab Sample ID: 890-1899-2

Lab Sample ID: 890-1899-3

Lab Sample ID: 890-1899-4

Matrix: Solid

Matrix: Solid

Date Collected: 01/31/22 12:53 Date Received: 02/01/22 10:34

Client Sample ID: BH01

Client: WSP USA Inc.

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	18258	02/02/22 14:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18331	02/02/22 20:04	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 14:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	18363	02/04/22 11:52	СН	XEN MID
Soluble	Analysis	300.0		1			18607	02/05/22 00:26	СН	XEN MID

Client Sample ID: BH01A

Date Collected: 01/31/22 12:59

Date Received: 02/01/22 10:34

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	18258	02/02/22 14:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18331	02/02/22 20:25	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 15:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	18363	02/04/22 11:52	СН	XEN MID
Soluble	Analysis	300.0		1			18607	02/05/22 00:45	СН	XEN MID

Client Sample ID: BH02

Date Collected: 01/31/22 13:03

Date Received: 02/01/22 10:34

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	18258	02/02/22 14:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18331	02/02/22 20:45	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 16:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18363	02/04/22 11:52	СН	XEN MID
Soluble	Analysis	300.0		1			18607	02/05/22 00:51	СН	XEN MID

Client Sample ID: BH02A Date Collected: 01/31/22 13:07 Date Received: 02/01/22 10:34

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	18258	02/02/22 14:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18331	02/02/22 21:06	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18770	02/07/22 15:34	AJ	XEN MID

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Matrix: Solid

5 6

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Released to Imaging: 6/21/2022 3:12:50 PM

Job ID: 890-1899-1 SDG: 31403471.006

Lab Sample ID: 890-1899-4 Matrix: Solid

Date Collected: 01/31/22 13:07 Date Received: 02/01/22 10:34

Client Sample ID: BH02A

Client: WSP USA Inc.

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			18777	02/07/22 16:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	18406	02/02/22 14:36	DM	XEN MID
Total/NA	Analysis	8015B NM		1			18623	02/05/22 16:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	18363	02/04/22 11:52	СН	XEN MID
Soluble	Analysis	300.0		1			18607	02/05/22 00:57	СН	XEN MID

Client Sample ID: BH03

Date Collected: 01/31/22 13:09 Date Received: 02/01/22 10:34

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	18258	02/02/22 14:00	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	18331	02/02/22 21:26	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 17:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	18363	02/04/22 11:52	СН	XEN MID
Soluble	Analysis	300.0		1			18607	02/05/22 01:03	CH	XEN MID

Client Sample ID: BH03A

Date Collected: 01/31/22 13:15 Date Received: 02/01/22 10:34

Batch Batch Dil Initial Final Batch Prepared Method Prep Type Туре Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.99 g 5 mL 18304 02/02/22 11:00 MR XEN MID Total/NA 8021B 5 mL 5 mL 18332 02/02/22 19:50 KL XEN MID Analysis 1 Total BTEX Total/NA Analysis 1 18770 02/07/22 15:34 AJ XEN MID Total/NA Analysis 8015 NM 18777 02/07/22 16:46 AJ XEN MID 1 Total/NA Prep 8015NM Prep 10.03 g 10 mL 18406 02/02/22 14:36 DM XEN MID Total/NA Analysis 8015B NM 18623 02/05/22 17:23 A.I XEN MID 1 Soluble Leach DI Leach 5.01 g 50 mL 18363 02/04/22 11:52 СН XEN MID Soluble Analysis 300.0 18607 02/05/22 01:09 СН XEN MID 1

Client Sample ID: BH04

Date Collected: 01/31/22 13:17 Date Received: 02/01/22 10:34

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	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 20:11	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 17:46	AJ	XEN MID

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Lab Sample ID: 890-1899-6

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-1899-7 Matrix: Solid

Lab Chronicle

Job ID: 890-1899-1 SDG: 31403471.006

Client Sample ID: BH04 Date Collected: 01/31/22 13:17

Project/Site: Trinity Burrus Unit #011

Client: WSP USA Inc.

Date Received: 02/01/22 10:34

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	18363	02/04/22 11:52	СН	XEN MID
Soluble	Analysis	300.0		1			18607	02/05/22 01:15	СН	XEN MID

Client Sample ID: BH04A

Date Collected: 01/31/22 13:21 Date Received: 02/01/22 10:34

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 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 20:31	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 18:06	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	18570	02/04/22 12:40	СН	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 04:14	СН	XEN MID

Client Sample ID: BH05 Date Collected: 01/31/22 13:24

Date Received: 02/01/22 10:34

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 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 20:52	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 18:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	18570	02/04/22 12:40	СН	XEN MID
Soluble	Analysis	300.0		1			18622	02/05/22 04:32	CH	XEN MID

Client Sample ID: BH05A Date Collected: 01/31/22 13:30

Date Received: 02/01/22 10:34

Prep Type

Total/NA

Total/NA

Total/NA

Batch

Туре

Prep

Analysis

Analysis

Dil Batch Initial Final Batch Prepared Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 18304 02/02/22 11:00 MR 5.00 g 5 mL XEN MID 8021B 1 5 mL 5 mL 18332 02/02/22 21:12 KL XEN MID Total BTEX 18770 02/07/22 15:34 AJ XEN MID 1

	Total/NA	Analysis	8015 NM	1			18777	02/07/22 16:46	AJ	XEN MID
l	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 18:51	AJ	XEN MID
l	Soluble	Leach	DI Leach		5.02 g	50 mL	18570	02/04/22 12:40	СН	XEN MID
L	Soluble	Analysis	300.0	1			18622	02/05/22 04:38	СН	XEN MID
	Soluble	Analysis	300.0	1	Ũ		18622	02/05/22 04:38	СН	XEN MID

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Lab Sample ID: 890-1899-7 Matrix: Solid Lab Sample ID: 890-1899-8 Matrix: Solid 9

Lab Sample ID: 890-1899-9 Matrix: Solid

Lab Sample ID: 890-1899-10

Matrix: Solid

Lab Chronicle

Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #011

Laboratory References:

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

Job ID: 890-1899-1 SDG: 31403471.006

Accreditation/Certification Summary

Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #011

Laboratory: Eurofins Midland

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

uthority	P	rogram	Identification Number	Expiration Date
exas	Ν	ELAP	T104704400-21-22	06-30-22
The following englytee	are included in this report by	ut the laboratory is not cortif	ind by the governing outbority. This list me	windudo ondutos for y
the agency does not o	fer certification.	,	ied by the governing authority. This list ma	
the agency does not o Analysis Method		Matrix	Analyte	
the agency does not o	fer certification.	,	, , , , ,	

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Job ID: 890-1899-1

SDG: 31403471.006

Job ID: 890-1899-1 SDG: 31403471.006

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:

Client: WSP USA Inc.

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 #011

Job ID: 890-1899-1
SDG: 31403471.006

ab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
90-1899-1	BH01	Solid	01/31/22 12:53	02/01/22 10:34	0.5	
90-1899-2	BH01A	Solid	01/31/22 12:59	02/01/22 10:34	3	
90-1899-3	BH02	Solid	01/31/22 13:03	02/01/22 10:34	0.5	5
90-1899-4	BH02A	Solid	01/31/22 13:07	02/01/22 10:34	3	
90-1899-5	BH03	Solid	01/31/22 13:09	02/01/22 10:34	0.5	
90-1899-6	BH03A	Solid	01/31/22 13:15	02/01/22 10:34	3	
90-1899-7	BH04	Solid	01/31/22 13:17	02/01/22 10:34	0.5	
90-1899-8	BH04A	Solid	01/31/22 13:21	02/01/22 10:34	3	
90-1899-9	BH05	Solid	01/31/22 13:24	02/01/22 10:34	0.5	
90-1899-10	BH05A	Solid	01/31/22 13:30	02/01/22 10:34	3	8
						9
						12
						13

	CIM VA	White w/	2 OO.	2-1-22/4:00	-1		they .	and the	N.	ja ja
Signature) Date/Time	Received by: (Signature)		me	Date/Time		Received by: (Signature)	Received	ıre)	Relinquished by: (Signature)	Relinquishe
	 It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated. 	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 cond 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 c 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 of Xenco.	(enco, its affilia s incurred by th but not analyze	company to X Is or expense ted to Xenco,	order from client lilty for any losse n sample submit	es a valid purchase o sume any responsiblic marge of \$5 for eacl	samples constitut s and shall not ass ach project and a	nd relinquishment of s or the cost of sample: 10 will be applied to e:	this document ar ill be liable only fo m charge of \$75.0	votice: Signature of of service. Xenco w of Xenco. A minimu
SiO2 Na Sr TI Sn U V Zn 1631 / 245.1 / 7470 / 7471 : Hg	Mo Ni K Se Ag Ti U	B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Be	Sb As Sb As	Texas 11 AI 110: 8RCRA	CLP / SPLP 60	31.22 BRC	Circle Method(s) and Metal(s) to be analyzed missific LP / SPLP 6010: 8RCRA	7 / 6010 20 hod(s) and N	Total 200.7 / 6010 Circle Method(s)
Composite			×	×	3 1	13:30	2/1/2022	S	BH05A	
Composite			×	×	5	13:24 0.5	2/6/2022	S	BH05	
Composite			×	×	ω 1	13:21	2/5/2022	S	BH04A	m
Composite			×	×	5	13:17 0.5	2/4/2022	S	BH04	
Composite			×	×	3 1	13:15	2/3/2022	s	BH03A	Π
Composite			×	×	5	13:09 0.5	12/2022	S	BH03	
Composite			××	×	3	13:07	2/1/2022	S	BH02A	m
Composite			×	×	ъ -1	13:03 0.5	1/31/2022	S	BH02	
Composite			×	×	3	12:59	1/31/2022	S	BH01A	Π
Composite			×	×	5	12:53 0.5	1/31/2022	s	BH01	
Sample Comments			BTEX (TPH (E	Depth Numb	Time D Sampled D	Date Sampled	Matrix	Sample Identification	Sample
lab, if received by 4:30pm					er of	Total Containers:	Total (Yes NO NA		Sample Custody Seals:
TAT starts the day recevied by the					i	Correction Factor: - 0	Correct	Yes No WA		Cooler Custody Seals:
	Custody	890-1899 Chain of Custody			ntain	EDOWA		Nes Not		Received Intact:
						Ξ		0/0.8	÷	Temperature (°C):
					No	Wet Ice: es	Ves No	Temp Blank:	ECEIPT	SAMPLE RECEIPT
API: #30-025-36038						Due Date:	*	asey	: Travis Casey	Sampler's Name:
CC:	_					Rush:				P.O. Number:
IN: NTO1419040759					×	Routine	006	31403471.006		Project Number:
Work Order Notes		ANALYSIS REQUEST			ound	Turn Around	Jnit #011	Trinity Burrus Unit #011		Project Name:
ADaPT Uther:	Deliverables: EDD	kalei.jennings@wsp.com, dan.moir@y Delive	lei.jennings		travis.casey@wsp.com,	Email: travi		4-5178	(432) 704-5178	Phone:
ST TD	Reporting:Level II hevel III	Repor			City, State ZIP:	City,		TX 79705	Midland,	City, State ZIP:
	- #	Sta		-	ess:	Address:	Unit 222	rth A St. Bldg 1,	3300 North A St.	Address:
Brownfields RRC Superfund	U	Progr			Company Name:	Com	1 office	WSP USA Inc., Permian office		Company Name:
Work Order Comments					Bill to: (if different)	Bill to		nnings	: Kalei Jennings	Project Manager:
<u>o.com</u> Pageof) www.xenco.com	Houston, IX (281) 240-4200 Ualias, IX (214) 902-0300 Sali Animum, IX (210) 503-5554 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)	915)585-3443) Atlanta,GA (alias, i ∧ (≤ i 4 EL Paso,TX (30-355-0900)	r) 240-4200 D 32-704-5440) [Phoenix,AZ (4)	Midland,TX (4: Midland,TX (4: M (575-392-7550)	Hobbs,N			
		AND TV /DAM AND TV		allos TV /O14	1 010 1000 0	Linning TV /00)	



Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 1899 List Number: 1

Creator: Clifton, Cloe

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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

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Job Number: 890-1899-1 SDG Number: 31403471.006

List Source: Eurofins Carlsbad

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 1899 List Number: 2 Creator: Kramer, Jessica

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	N/A	

Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").

Job Number: 890-1899-1 SDG Number: 31403471.006

List Source: Eurofins Midland

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

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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

Operator:	OGRID:
ARMSTRONG ENERGY CORP	1092
P.O. Box 1973	Action Number:
Roswell, NM 88202	83012
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

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

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Action 83012