HOBBS OCD

MAY 1 0 2013

							1414	41 1 0 201	J			
District I 1625 N. French D District II 1301 W. Grand A						New Mexico and Natural R	RECEIVED	Revis	Form C-141 red October 10, 2003			
1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 So						vation Divisi St. Francis I , NM 87505		Submi Dist	rict Of	pies to appropriate fice in accordance Rule 116 on back side of form		
13 <u></u>		R	elease	Notificatio	n at	nd Correct	ive Action	n na sy na a tang a sa tang a s				
				OPERATO	R		🛛 Initial	Report		Final Report		
Name of C			and the second se	000.40		the second s	adley Blevins		0// 40			
Address: F Facility Na	the second s						No.: (575) 391 e: Tank Batte		8642	.4		
r	······································					·						
Surface O	wner: 07	70 Ranchla	ind Ltd	Mineral (Own	er:		API N	o.: 3	0-025-36251		
(*************************************						F RELEAS			<u> </u>			
Unit Letter L	Section 23	Township 12S	Range 38E	Feet from the 1980	Noi	rth/South Line South	Feet from the 660	East/West L West	ine	County Lea		
		Latitu	ide: N 3	33° 15' 45.10"			103° 04' 27.	73"				
Type of Relea	se: Produc	ed Water		NATURE	OF	OF RELEASE Volume of Release: 52 bbls Volume Recovered: 3 bbls						
Source of Rel			ed on wat	er pump.		Date and Hou	r of Occurrence:	Date and	Hour	of Discovery:		
Was Immedia	te Notice (· · ·	Yes 🔲	No 🗌 Not Requ	ired	5/2/13 @ 10:0 IFYES, TOW GEOFF LE		<u>5/2/13 @</u> ددD	10:00	<u></u>		
By Whom? Bi						Date and Hour: 5/2/13 (9) 2:00 PM If YES, Volume Impacting the Watercourse:						
Was a Watero	ourse Kea		Yes 🛛 I	No		IT YES, volume impacting the watercourse:						
Depth to wate If a Watercou		nacted. Desc	ribe Fully	/:				· · · · · · · · · · · · · · · · · · ·				
bbls of produce abatement of the Describe Area water. Visibly	ed water wa he impacted a Affected a stained soil	is released with l area. and Cleanup was excavate	h 3 bbis r Action Ta d and hau	on Taken.* Releas ecovered. An Emer aken.* Approximat led away for dispos	rgency tely 1 sal at	y Response Team 5,200 square feet a state approved	of area was affec facility. Soil samp	case area and b ted by the relea	egan conse of p	ontinuous produced d submitted to		
Cardinal Labor to proper cond	ratories for itions.	testing. Upon	receiving	acceptable results	and 1	NMOCD approva	il, the affected are	a will be backfi	lled, a	nd returned		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.								es which may relieve the ground water,				
Signature: Szorlley Elec-						Approved by District Supe EisVironmental Specialist						
Printed Name		llevins				Approval Date:				7/10/13		
E-mail Addres				462 out 86424		Conditions of Approval: SUBMITFINAL Attached			<u>.</u>			
Date: ' Attach Ade	ditional	and the second se		462 ext. 86424					1111			

Received by OCD: 3/22/2022 9:24:13 AM Form C-141 State of New Mexico

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Oil Conservation Division

	Page 2 of 8	33
Incident ID	NGRL1313056354	
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.

of New Mexico servation Division	Incident ID District RP	NGRL1313056354
iservation Division	District RP	
	Facility ID	
	Application ID	
of a C-141 report by the OCD does not relieve tamination that pose a threat to groundwater, su	the operator of liability shourd accember of the second se	ould their operations have or the environment. In
Title: (Dperations Engineer	
Date: 3/22/	2022	
Telephone:	575-623-2999	
	/or file certain release notifications and perform of a C-141 report by the OCD does not relieve tamination that pose a threat to groundwater, su not relieve the operator of responsibility for con 	Application ID s true and complete to the best of my knowledge and understand that purs /or file certain release notifications and perform corrective actions for rele of a C-141 report by the OCD does not relieve the operator of liability she tamination that pose a threat to groundwater, surface water, human health not relieve the operator of responsibility for compliance with any other fee Title: Operations Engineer

Oil Conservation Division

Incident ID	NGRL1313056354
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: 03/22/2022
Email: jtew@aecnm.com	Telephone: 575-623-2999
ODC Only	
Received by:	Date:
and remediate contamination that poses a threat to groundwater, surfaresponsible party of compliance with any other federal, state, or local	
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

March 16, 2022

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

Re: Closure Request Trinity Burrus Abo Unit #016 Incident Number NGRL1313056354 Lea County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP), on behalf of Armstrong Energy Corporation (Armstrong), presents the following Closure Request detailing site assessment, excavation, and soil sampling activities at the Trinity Burrus Abo Unit #016 (Site), located in Unit L, Section 23, Township 12 South, Range 38 East, in Lea County, New Mexico (Figure 1). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil following the release of produced water at the Site. Based on excavation activities and laboratory analytical results from the soil sampling event, Armstrong is submitting this Closure Request and requesting no further action (NFA) for Incident Number NGRL1313056354.

RELEASE BACKGROUND

On May 2, 2013, a 1-inch nipple failed on a water pump, resulting in the release of approximately 52 barrels (bbls) of produced water onto the surface of the well pad. A vacuum truck was immediately dispatched to the Site to recover freestanding fluids and saturated surficial soil; approximately 3 bbls of produced water were recovered. Chevron USA, the operator of the facility at the time of the release, notified the New Mexico Oil Conservation Division (NMOCD) on May 10, 2013. The release was assigned Incident Number NGRL1313056354. 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)

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District 1 Page 2

well 331518103044201, located approximately 0.37 miles southwest 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 1,942 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

Based on the results of the Site Characterization, the following NMOCD Table 1 Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

DELINEATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

On January 24, 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 from a depth of approximately 0.5 feet and 1-foot 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.

Laboratory analytical results for delineation soil sample BH01, collected at 0.5 feet bgs, indicated chloride concentrations exceeded the Closure Criteria. Soil sample BH01A, collected at 1-foot bgs, indicated benzene, BTEX, TPH, and chloride concentrations were all compliant with the Closure Criteria. Laboratory analytical results for delineation soil samples BH02 through BH05, collected at depths of approximately 0.5 feet and 1-foot bgs, indicated benzene, BTEX, TPH, and chloride concentrations were all compliant with the collected at depths of approximately 0.5 feet and 1-foot bgs, indicated benzene, BTEX, TPH, and chloride concentrations were all compliant with the collected at depths of approximately 0.5 feet and 1-foot bgs, indicated benzene, BTEX, TPH, and chloride concentrations were all compliant with the Closure Criteria.

EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES AND ANALYTICAL RESULTS

On February 28, 2022, WSP personnel returned to the Site to oversee excavation activities as indicated by laboratory analytical results. Excavation activities were completed to remove impacted soil in the vicinity surrounding delineation soil sample BH01. Excavation activities were performed using a backhoe and transport vehicle. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride. The excavation was completed to a depth of approximately 1.5 feet bgs.

Following removal of impacted soil, WSP collected 5-point composite soil samples every 200 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite floor samples FS01 through FS04 were collected from the floor of the excavation from a depth of 1.5 feet bgs. Due to the shallow depth of the of the excavation, the floor samples represented the floor and sidewalls of the excavation. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3. Photographic documentation is included in Attachment 3.

Laboratory analytical results for excavation floor samples FS01 through FS04, collected from the final excavation extent, indicated benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Attachment 4.

The final excavation extent measured approximately 759 square feet. At the completion of excavation activities, approximately 42 cubic yards of impacted soil were removed. The impacted soil was transported and properly disposed of at R360 Facility located in Hobbs, New Mexico. After completion of confirmation sampling, the excavation area was backfilled.

wsp

District 1 Page 4

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the May 2, 2013 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 excavation soil samples, collected from the final excavation extent, indicated benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results for the remaining 2022 delineation soil samples (BH02 through BH05) indicated benzene, BTEX, TPH and chloride concentrations were compliant with Closure Criteria. As such, there appears to be an absence of soil impacts related to the 2013 release outside of the excavation extent and no further remediation appears necessary.

Based on initial response efforts and laboratory analytical results compliant with Closure Criteria, remedial actions taken at the Stie appear to have been sufficient in protecting human health, the environment, and groundwater and as a result, Armstrong respectfully requests NFA for Incident Number NGRL1313056354.

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

WSP USA Inc.

Kalei Jennings

Kalei Jennings Consultant, Environmental Scientist

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

cc: Kyle Alpers, Armstrong Energy Corporation

Attachments:

- Figure 1 Site Location Map
- Figure 2 Delineation Soil Sample Locations

Figure 3 Excavation Soil Sample Locations

Table 1Soil Analytical Results

Attachment 1 Referenced Well Records

Attachment 2 Lithologic/Sampling Logs

Attachment 3 Photographic Log



District 1 Page 5

Attachment 4 Laboratory Analytical Reports

FIGURI



Released to Imaging: 6/21/2022 3:16:06 PM

P:\Armstrong Energy Corp\GIS\31403471.003_TRINITY BURRUS ABO UNT #16\MXD\31403471.003_FIG01_SL_RECEPTOR_2022.mxd





TABLE

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Table 1

Soil Analytical Results Trinity Burrus Abo Unit #016 Incident Number NGRL1313056354 Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Cl	osure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	NE	100	600
Delineation Soil Sam	ples									
BH01	01/24/2022	0.5	< 0.00199	< 0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	822
BH01A	01/24/2022	1	< 0.00201	< 0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	489
BH02	01/24/2022	0.5	< 0.00200	< 0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	504
BH02A	01/24/2022	1	< 0.00198	< 0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	357
BH03	01/24/2022	0.5	< 0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	14.2
BH03A	01/24/2022	1	< 0.00202	< 0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	11.3
BH04	01/24/2022	0.5	< 0.00199	< 0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	140
BH04A	01/24/2022	1	< 0.00199	< 0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	282
BH05	01/24/2022	0.5	< 0.00200	< 0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	19.9
BH05A	01/24/2022	1	< 0.00200	< 0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	18.6
Excavation Floor Sa	mples									
FS01	02/28/2022	1.5	< 0.00202	< 0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	530
FS02	02/28/2022	1.5	< 0.00200	< 0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	421
FS03	02/28/2022	1.5	< 0.00202	< 0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	359
FS04	02/28/2022	1.5	< 0.00200	< 0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	395

Notes:

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

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

NE - Not Established

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

Text impacted soil was excavated



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources	(Cooperator Access)	Data Category:		Geographic Area:		
obdo water Resources			$\mathbf{\sim}$	United States	\checkmark	GO

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- 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>

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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: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-02-17 21:26:45 EST 0.74 0.48 nadww01



11)			SP USA				BH01	Date: 01/24/2022	
			(a)	508 West	Stevens Stewens Stewens	treet		Site Name: Trinity Burrus Abo Unit #016			
				13000, 10		00220		RP or Incident Number NGRL1313056325 WSP Job Number: 31403471.003			
					LING LOO	3		Logged By: TC		Method: Hand Auger	
Lat/Long:	33.262527			Field Scre		, 		Hole Diameter:		Total Depth:	
Lat Long.	001202021	, 100.			ride strips, P	DID		3"		1 foot	
Comments: All o								•		•	
Moisture Content Chloride (ppm)	T T	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Lithology/Remarks			
D 1,058.4	0	N Y	BH01 BH01A		-	GP/GW	NO STA	IN, NO ODOR D DARK BROWN, I		GRADED GRAVEL WITH SAND ORLY GRADED WITH SAND	

.

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220								BH or PH Name: Site Name: Trinity Bur RP or Incident Number WSP Job Number:	NGRL131					
		LITH		GIC / SOI			2		Logged By: TC	5	Method: Hand Auger			
Lat/Lo	na:			3.074369	Field Scre		-		Hole Diameter:		Total Depth:			
20020		00.20201				ride strips, F	PID		3"		1 foot			
Comm	nents: All cl ist; D-dry; \	hloride fie	eld scre	enings inclue	de a 40% c	orrection fac	tor		i					
Moisture Content	(ppm) (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	bgs)	USCS/Rock Symbol		Litł	nology/R	Remarks			
D D	621.8 442.4	0.3 0.2	Y Y	BH02 BH02A	0.5 1		GP/GW GP/GW	STAINE	ROWN, DRY/POOI D, NO ODOR	RLY GR	ADED GRAVEL WITH SAND,			
					- - - -	+ - - - -			TD @ 1' FT BGS					
					-	* 								
					- - - -	- - 								
					- - - -	+ - - -			\mathbf{i}					
					- - -	+ 								
					- - -	- - -								
					-	-								

119			W!	SP USA			BH or PH Name:	BH03	Date: 01/24/2022	
			508 West	Stevens St	treet		Site Name: Trinity B			
		Ca	risbad, Ne	ew Mexico	88220		RP or Incident Number NGRL1313056325			
					2		WSP Job Number: 31403471.003			
Lat/Long:	33.262527, -10	GIC / SOI	Field Scre		5		Logged By: TC Hole Diameter:		Method: Hand Auger Total Depth:	
Lav Long.	55.202527, -10	5.074509		pride strips, P	ND		3"		1 foot	
Comments: All c	chloride field scre	eenings inclue								
M-moist; D-dry;	Y-yes; N-no		1							
Moisture Content Chloride (ppm)	Vapor (ppm) Staining	Sample #	Sample Depth (ft bgs)	bgs)	USCS/Rock Symbol		L	ithology/R	emarks	
D <168 D <168	0.5 Y 0.4 Y	BH03 BH03A	0.5		GP/GW GP/GW	STAINE	ROWN, DRY/PO D, NO ODOR	ORLY GRA	ADED GRAVEL WITH SAND,	
			-	ţ			TD @ 1' FT BGS	_		

110			W	SP USA			BH or PH Name:	BH04	Date: 01/24/2022
			508 West	Stevens St	treet		Site Name: Trinity Bu		
			rlsbad, Ne	ew Mexico	88220		RP or Incident Numbe		
							WSP Job Number:		403471.003
/		OGIC / SOI			3		Logged By: TC		Method: Hand Auger
Lat/Long:	33.262527, -		Field Scre Hach chlo	ening: ride strips, P	סוי		Hole Diameter: 3"		Total Depth: 1 foot
Comments: All c	chloride field so	creenings incluc	le a 40% c	orrection fac	tor				
M-moist; D-dry; `	Y-yes; N-no		1			1			
Moisture Content Chloride (ppm)	Vapor (ppm) Staining	Sample #	Sample Depth (ft bgs)	bgs)	USCS/Rock Symbol		Li	thology/Re	emarks
D 212.8 D 352	0.3 Y 0.2 Y		0.5	0.5		STAINE	ROWN, DRY/POC D, NO ODOR	ORLY GRA	ADED GRAVEL WITH SAND,
	+						TD @ 1' FT BGS		

.

11	5)		508 West	SP USA Stevens St	treet		Site Name: Trinity Burru		
				rispad, ive	ew Mexico	88220		RP or Incident Number No		
	1.171.14				LING LOO	-		WSP Job Number:	31	1403471.003
Lat/Long:	33.262527			Field Scre		3		Logged By: TC Hole Diameter:		Method: Hand Auger Total Depth:
Lav Long.	33.202321	7,-105	.074309		ride strips, P	D		3"		1 foot
Comments: All c	chloride fiel	d scree	enings incluc	le a 40% c	orrection fac	tor				
M-moist; D-dry;			e #	Sample	Dopth /ft	Rock				
Moisture Content Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Depth (ft bgs)		USCS/Rock Symbol		Lithc	ology/R	emarks
D <168 D <168	0.8 0.4	Y Y	BH05 BH05A	0.5	Γ	GP/GW GP/GW	STAINE	ROWN, DRY/POORI D, NO ODOR	LY GR	ADED GRAVEL WITH SAND,
								TD @ 1' FT BGS		

wsp

Armstrong Energy	Trinity Burrus Abo Unit #016	NGRL1313056354	
Corporation	Lea County, New Mexico		



wsp

	PHOTOGRAPHIC LOG	
Armstrong Energy	Trinity Burrus Abo Unit #016	NGRL1313056354
Corporation	Lea County, New Mexico	

Photo No.	Date	
1	February 28, 2022	
	vation extent near location.	



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

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Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1867-1

Laboratory Sample Delivery Group: 31403471.004 Client Project/Site: Trinity Burrus Unit #016

For:

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

Attn: Kalei Jennings

RAMER

Authorized for release by: 1/31/2022 4:17:14 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.

Have a Question? Ask The Expert Visit us at: www.eurofinsus.com/Env Released to Imaging: 6/21/2022 3:16:06 PM

LINKS

Review your project results through

Total Access

.

Laboratory Job ID: 890-1867-1 SDG: 31403471.004

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2

Duplicate Error Ratio (normalized absolute difference)

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Not Detected at the reporting limit (or MDL or EDL if shown)

Minimum Detectable Activity (Radiochemistry) Minimum Detectable Concentration (Radiochemistry)

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Dilution Factor

Detection Limit (DoD/DOE)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE)

Method Detection Limit

Minimum Level (Dioxin) Most Probable Number

Method Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive

Quality Control

DER

DL

DLC EDL

LOD

LOQ MCL

MDA

MDC MDL

ML

NC

ND

NEG

POS

PQL PRES

QC

RER

RPD

TEF

TEQ

TNTC

RL

MPN MQL

Dil Fac

DL, RA, RE, IN

cerrea by 0 eD		,
	Definitions/Glossary	
Client: WSP US Project/Site: Tri	A Inc. Job ID: 890-1867-1 nity Burrus Unit #016 SDG: 31403471.004	
Qualifiers		3
GC VOA Qualifier	Qualifier Description	4
S1+	Surrogate recovery exceeds control limits, high biased. Indicates the analyte was analyzed for but not detected.	
U GC Semi VOA	indicates the analyte was analyzed for but not detected.	5
Qualifier	Qualifier Description	6
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
HPLC/IC Qualifier	Qualifier Description	8
*_	LCS and/or LCSD is outside acceptance limits, low biased.	
U	Indicates the analyte was analyzed for but not detected.	9
Glossary		10
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	44
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	10

Project/Site: Trinity Burrus Unit #016

4

Job ID: 890-1867-1 SDG: 31403471.004

Job ID: 890-1867-1

Client: WSP USA Inc.

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-1867-1

Receipt

The samples were received on 1/24/2022 4:36 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH01 (890-1867-1), BH01A (890-1867-2), BH02 (890-1867-3), BH02A (890-1867-4), BH04A (890-1867-8), BH05 (890-1867-9), BH05A (890-1867-10), (MB 880-17869/1-A) and (880-10594-A-1-G). 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 laboratory control sample (LCS) associated with preparation batch 880-17771 and 880-17771 and analytical batch 880-17923 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

RL

0.00199

0.00199

Unit

mg/Kg

mg/Kg

D

Prepared

01/26/22 07:25

01/26/22 07:25

Page 33 of 83

Job ID: 890-1867-1 SDG: 31403471.004

Client Sample ID: BH01

Project/Site: Trinity Burrus Unit #016

Method: 8021B - Volatile Organic Compounds (GC)

Result Qualifier

<0.00199 U

<0.00199 U

Date Collected: 01/24/22 10:39 Date Received: 01/24/22 16:36

Sample Depth: 0.5

Analyte

Benzene

Toluene

Client: WSP USA Inc.

SDG: 31403471.004

Lab Sample ID: 890-1867-1

Analyzed

01/26/22 14:24

01/26/22 14:24

Matrix: Solid

Dil Fac

1

01/26/22 14:24 Ethylbenzene 0.00199 01/26/22 07:25 <0.00199 U mg/Kg 1 m-Xylene & p-Xylene <0.00398 0.00398 01/26/22 07:25 01/26/22 14:24 U mg/Kg o-Xylene <0.00199 U 0 00199 01/26/22 07:25 01/26/22 14:24 mg/Kg 1 Xylenes, Total <0.00398 U 0.00398 01/26/22 07:25 01/26/22 14:24 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 01/26/22 07:25 145 S1+ 70 - 130 01/26/22 14:24 70 - 130 01/26/22 07:25 1,4-Difluorobenzene (Surr) 127 01/26/22 14:24 1 Method: Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00398 II 0.00398 mg/Kg 01/28/22 14:15 Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Total TPH <50.0 U 50.0 01/27/22 16:17 mg/Kg Method: 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier Analyte RL Unit D Analyzed Dil Fac Prepared Gasoline Range Organics <50.0 U 50.0 mg/Kg 01/27/22 08:32 01/27/22 17:19 (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 01/27/22 08:32 01/27/22 17:19 C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 01/27/22 08:32 01/27/22 17:19 mg/Kg 1 %Recovery Qualifier Limits Prepared Dil Fac Surrogate Analyzed 135 S1+ 01/27/22 08:32 1-Chlorooctane 70 - 130 01/27/22 17:19 161 S1+ 01/27/22 08:32 o-Terphenyl 70 - 130 01/27/22 17:19 1 Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier D Analyzed Dil Fac RL Unit Prepared Chloride 822 *_ 4.97 mg/Kg 01/31/22 13:33 1 **Client Sample ID: BH01A** Lab Sample ID: 890-1867-2 Date Collected: 01/24/22 10:40 Matrix: Solid Date Received: 01/24/22 16:36 Sample Depth: 1 Method: 8021B - Volatile Organic Compounds (GC) Analyte **Result Qualifier** RL Unit D Prepared Analyzed Dil Fac Benzene <0.00201 U 0 00201 mg/Kg 01/26/22 07:25 01/26/22 14.44 1 Toluono <0.00201 11 0 00201 ma/Ka 01/26/22 07.25 01/26/22 14.44

4-Bromofluorobenzene (Surr)	118		70 - 130		01/26/22 07:25	01/26/22 14:44	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
Xylenes, Total	<0.00402	U	0.00402	mg/Kg	01/26/22 07:25	01/26/22 14:44	1
o-Xylene	<0.00201	U	0.00201	mg/Kg	01/26/22 07:25	01/26/22 14:44	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg	01/26/22 07:25	01/26/22 14:44	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg	01/26/22 07:25	01/26/22 14:44	1
Toluene	S0.00201	0	0.00201	ilig/Kg	01/20/22 07.25	01/20/22 14.44	1

Eurofins Carlsbad

Project/Site: Trinity Burrus Unit #016

5

Client Sample Results

Job ID: 890-1867-1 SDG: 31403471.004

Lab Sample ID: 890-1867-2 Matrix: Solid

Date Collected: 01/24/22 10:40 Date Received: 01/24/22 16:36

Client Sample ID: BH01A

Client: WSP USA Inc.

Sample Depth: 1

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	100		70 - 130			01/26/22 07:25	01/26/22 14:44	
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			01/28/22 14:15	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/27/22 16:17	
- Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		01/27/22 08:32	01/27/22 17:41	
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		01/27/22 08:32	01/27/22 17:41	
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/22 08:32	01/27/22 17:41	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	116		70 - 130			01/27/22 08:32	01/27/22 17:41	
o-Terphenyl	134	S1+	70 - 130			01/27/22 08:32	01/27/22 17:41	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	489	*_	4.98	mg/Kg			01/31/22 13:45	
Client Sample ID: BH02						Lab San	nple ID: 890-	1867-3
ate Collected: 01/24/22 10:51							Matri	x: Solic
ate Received: 01/24/22 16:36								
ample Depth: 0.5								

Analyte	Posult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 15:05	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 15:05	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 15:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/26/22 07:25	01/26/22 15:05	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 15:05	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/26/22 07:25	01/26/22 15:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130			01/26/22 07:25	01/26/22 15:05	1
1,4-Difluorobenzene (Surr)	112		70 - 130			01/26/22 07:25	01/26/22 15:05	1
- Method: Total BTEX - Total BT	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400	mg/Kg			01/28/22 14:15	1
- Method: 8015 NM - Diesel Ran	ge Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Job ID: 890-1867-1 SDG: 31403471.004

Matrix: Solid

Lab Sample ID: 890-1867-3

Client Sample ID: BH02

Project/Site: Trinity Burrus Unit #016

Date Collected: 01/24/22 10:51 Date Received: 01/24/22 16:36

Sample Depth: 0.5

Client: WSP USA Inc.

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		01/27/22 08:32	01/27/22 18:02	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		01/27/22 08:32	01/27/22 18:02	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/27/22 08:32	01/27/22 18:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130			01/27/22 08:32	01/27/22 18:02	1
o-Terphenyl	152	S1+	70 - 130			01/27/22 08:32	01/27/22 18:02	1

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	504 *-	4.95	mg/Kg			01/31/22 13:57	1

Client Sample ID: BH02A

Date Collected: 01/24/22 10:52 Date Received: 01/24/22 16:36

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		01/26/22 07:25	01/26/22 16:27	1
Toluene	<0.00198	U	0.00198	mg/Kg		01/26/22 07:25	01/26/22 16:27	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		01/26/22 07:25	01/26/22 16:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		01/26/22 07:25	01/26/22 16:27	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		01/26/22 07:25	01/26/22 16:27	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		01/26/22 07:25	01/26/22 16:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			01/26/22 07:25	01/26/22 16:27	1
1,4-Difluorobenzene (Surr)	108		70 - 130			01/26/22 07:25	01/26/22 16:27	1
Method: Total BTEX - Total BTE	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396	mg/Kg			01/28/22 14:15	1
Method: 8015 NM - Diesel Range	e Organics (DR	0) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			01/27/22 16:17	1
Method: 8015B NM - Diesel Ran	ge 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		01/27/22 08:32	01/27/22 18:23	1
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		01/27/22 08:32	01/27/22 18:23	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/22 08:32	01/27/22 18:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	135	S1+	70 - 130			01/27/22 08:32	01/27/22 18:23	1

		Clien	t Sample Re	sults						
Client: WSP USA Inc.							Job ID: 890	-1867-		
Project/Site: Trinity Burrus Unit #016						SDG: 31403471.00				
Client Sample ID: BH02A Date Collected: 01/24/22 10:52 Date Received: 01/24/22 16:36						Lab Sample ID: 890-1867-4 Matrix: Solid				
Sample Depth: 1										
Method: 300.0 - Anions, Ion Chro	matography -	Soluble								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa		
Chloride	357	*_	5.04	mg/Kg			01/31/22 14:09			
Client Sample ID: BH03						Lab Sar	nple ID: 890-	1867-		
Date Collected: 01/24/22 10:57								x: Soli		
Date Received: 01/24/22 16:36										
Sample Depth: 0.5										
-	_									
Method: 8021B - Volatile Organic Analyte		GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa		
Benzene	<0.00200		0.00200			01/26/22 07:25	01/26/22 16:47			
Toluene	< 0.00200		0.00200	mg/Kg		01/26/22 07:25	01/26/22 16:47			
Ethylbenzene	< 0.00200		0.00200	mg/Kg		01/26/22 07:25	01/26/22 16:47			
m-Xylene & p-Xylene	< 0.00200		0.00399	mg/Kg		01/26/22 07:25	01/26/22 16:47			
o-Xylene	< 0.00200		0.00200	mg/Kg		01/26/22 07:25	01/26/22 16:47			
Xylenes, Total	<0.00399		0.00399	mg/Kg		01/26/22 07:25	01/26/22 16:47			
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa		
4-Bromofluorobenzene (Surr)	127		70 - 130			01/26/22 07:25	01/26/22 16:47			
1,4-Difluorobenzene (Surr)	95		70 - 130			01/26/22 07:25	01/26/22 16:47			
Method: Total BTEX - Total BTEX	Calculation									
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa		
Total BTEX	<0.00399		0.00399	mg/Kg			01/28/22 14:15			
	0									
Method: 8015 NM - Diesel Range Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa		
Total TPH	<49.9		49.9	0mt mg/Kg			01/27/22 16:17			
-		0	40.0	ilig/itg			01121122 10.11			
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		01/27/22 08:32	01/27/22 18:43			
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		01/27/22 08:32	01/27/22 18:43			
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		01/27/22 08:32	01/27/22 18:43			
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa		
1-Chlorooctane	111		70 - 130			01/27/22 08:32	01/27/22 18:43			
o-Terphenyl	116		70 - 130			01/27/22 08:32	01/27/22 18:43			
_ Method: 300.0 - Anions, Ion Chro	matography -	Soluble								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa		

AnalyteResultQualifierRLUnitDPreparedAnalyzedDil FacChloride14.2*-4.95mg/Kg01/31/221
RL

0.00202

0.00202

0.00202

0.00403

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Page 37 of 83

Dil Fac

1

1

1

1

Job ID: 890-1867-1 SDG: 31403471.004

Client Sample ID: BH03A

Project/Site: Trinity Burrus Unit #016

Method: 8021B - Volatile Organic Compounds (GC)

Result Qualifier

<0.00202 U

<0.00202 U

<0.00202 U

<0.00403 U

Date Collected: 01/24/22 10:58 Date Received: 01/24/22 16:36

Sample Depth: 1

Analyte

Benzene

Toluene

Ethylbenzene

m-Xylene & p-Xylene

Client: WSP USA Inc.

Lab Sample ID: 890-1867-6 Matrix: Solid

Analyzed

01/26/22 17:08

01/26/22 17:08

01/26/22 17:08

01/26/22 17:08

Prepared

01/26/22 07:25

01/26/22 07:25

01/26/22 07:25

01/26/22 07:25

D

5

	-0.00100	0	0.00100	mg/rtg		01/20/22 01.20	01720722 11.00	
o-Xylene	<0.00202	U	0.00202	mg/Kg		01/26/22 07:25	01/26/22 17:08	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		01/26/22 07:25	01/26/22 17:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			01/26/22 07:25	01/26/22 17:08	1
1,4-Difluorobenzene (Surr)	102		70 - 130			01/26/22 07:25	01/26/22 17:08	1
-	102		70 - 130			01/20/22 07.25	01/20/22 17:00	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403	mg/Kg			01/28/22 14:15	1
Method: 8015 NM - Diesel Range (O) (GC) Qualifier	RL	Unit	D	Prepared	Applyrod	Dil Fac
Analyte Total TPH	<49.9		49.9			Frepareu	Analyzed	
	~49.9	0	49.9	mg/Kg			01/2//22 10.17	1
Method: 8015B NM - Diesel Range	Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		01/27/22 08:32	01/27/22 19:04	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		01/27/22 08:32	01/27/22 19:04	1
C10-C28) Oll Range Organics (Over C28-C36)	<49.9		49.9	malka		01/27/22 08:32	01/27/22 19:04	1
Oli Range Organics (Over C26-C36)	~49.9	0	49.9	mg/Kg		01/27/22 08.32	01/2//22 19.04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130			01/27/22 08:32	01/27/22 19:04	1
o-Terphenyl	129		70 - 130			01/27/22 08:32	01/27/22 19:04	1
- Mathada 2000 Aniana Jan Ohma		Oslubla						
Method: 300.0 - Anions, Ion Chron Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	11.3		4.99	mg/Kg			01/31/22 14:33	1
-	11.5		4.00	ingitig			01101122 14:00	
Client Sample ID: BH04						Lab Sar	nple ID: 890-	1867-7
Date Collected: 01/24/22 11:00							Matri	x: Solid
Date Received: 01/24/22 16:36								
Sample Depth: 0.5								
		(O O)						
Method: 8021B - Volatile Organic (Analyte		(GC) Qualifier	RL	Unit	D	Propared	Analyzod	Dil Fac
Benzene	<0.00199		RL	0nit ma/Ka		Prepared 01/26/22 07:25	Analyzed	
	~0.00199	0	0.00199	iiiu/r\u		U 1/2U/22 U1.20	U 1/2U/22 17.20	

Method: 8021B - Volatile Organ	nic Compounds ((GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00199	U	0.00199	mg/Kg		01/26/22 07:25	01/26/22 17:28	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/26/22 07:25	01/26/22 17:28	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/26/22 07:25	01/26/22 17:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/26/22 07:25	01/26/22 17:28	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/26/22 07:25	01/26/22 17:28	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/26/22 07:25	01/26/22 17:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			01/26/22 07:25	01/26/22 17:28	1

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Client Sample Results

Job ID: 890-1867-1 SDG: 31403471.004

Lab Sample ID: 890-1867-7

Matrix: Solid

5

Date Collected: 01/24/22 11:00 Date Received: 01/24/22 16:36

Client Sample ID: BH04

Sample Depth: 0.5

Client: WSP USA Inc.

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	105		70 - 130			01/26/22 07:25	01/26/22 17:28	
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/28/22 14:15	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0	mg/Kg			01/27/22 16:17	
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	<50.0	U	50.0	mg/Kg		01/27/22 08:32	01/27/22 19:26	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/27/22 08:32	01/27/22 19:26	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/22 08:32	01/27/22 19:26	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane			70 - 130			01/27/22 08:32	01/27/22 19:26	
o-Terphenyl	128		70 - 130			01/27/22 08:32	01/27/22 19:26	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	140	*_	5.05	mg/Kg			01/31/22 14:44	
lient Sample ID: BH04A						Lab San	nple ID: 890-	1867-8
ate Collected: 01/24/22 11:04							Matri	x: Solid
ate Received: 01/24/22 16:36								
ample Depth: 1								

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		01/26/22 07:25	01/26/22 17:49	1
Toluene	<0.00199	U	0.00199	mg/Kg		01/26/22 07:25	01/26/22 17:49	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		01/26/22 07:25	01/26/22 17:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		01/26/22 07:25	01/26/22 17:49	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		01/26/22 07:25	01/26/22 17:49	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		01/26/22 07:25	01/26/22 17:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			01/26/22 07:25	01/26/22 17:49	1
1,4-Difluorobenzene (Surr)	80		70 - 130			01/26/22 07:25	01/26/22 17:49	1
- Method: Total BTEX - Total B1	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			01/28/22 14:15	1
Method: 8015 NM - Diesel Rar	ige Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
,								

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Job

Job ID: 890-1867-1 SDG: 31403471.004

Lab Sample ID: 890-1867-8

Client Sample ID: BH04A

Project/Site: Trinity Burrus Unit #016

Date Collected: 01/24/22 11:04 Date Received: 01/24/22 16:36

Sample Depth: 1

Client: WSP USA Inc.

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		01/27/22 08:32	01/27/22 20:00	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		01/27/22 08:32	01/27/22 20:00	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/22 08:32	01/27/22 20:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	129		70 - 130			01/27/22 08:32	01/27/22 20:00	1
o-Terphenyl	148	S1+	70 - 130			01/27/22 08:32	01/27/22 20:00	1
- Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: BH05

Date Collected: 01/24/22 11:12 Date Received: 01/24/22 16:36

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 18:09	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 18:09	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 18:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/26/22 07:25	01/26/22 18:09	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 18:09	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/26/22 07:25	01/26/22 18:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			01/26/22 07:25	01/26/22 18:09	1
1,4-Difluorobenzene (Surr)	106		70 - 130			01/26/22 07:25	01/26/22 18:09	1
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/28/22 14:15	1
Method: 8015 NM - Diesel Range	organics (DR	O) (GC)				Duran award		·
Method: 8015 NM - Diesel Range Analyte Total TPH	organics (DR	O) (GC) Qualifier	0.00399 	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	01/28/22 14:15 Analyzed 01/27/22 16:17	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	e Organics (DR Result <50.0 ge Organics (D Result <50.0 <50.0	O) (GC) Qualifier U RO) (GC) Qualifier U U	RL 50.0 RL 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg	D	Prepared 01/27/22 08:32 01/27/22 08:32	Analyzed 01/27/22 16:17 Analyzed 01/27/22 20:20 01/27/22 20:20	Dil Fac 1 Dil Fac 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	e Organics (DR Result <50.0 ge Organics (D Result <50.0	O) (GC) Qualifier U RO) (GC) Qualifier U U	RL 50.0 RL 50.0	Unit mg/Kg		Prepared 01/27/22 08:32	Analyzed 01/27/22 16:17 Analyzed 01/27/22 20:20	1 <u>Dil Fac</u> 1 <u>Dil Fac</u> 1 1 1

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01/27/22 20:20

01/27/22 08:32

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o-Terphenyl

70 - 130

165 S1+

		Clien	t Sample Re	sults						
Client: WSP USA Inc.							Job ID: 890			
roject/Site: Trinity Burrus Unit #	016						SDG: 31403	471.00		
Client Sample ID: BH05					Lab Sample ID: 890-1867-9					
ate Collected: 01/24/22 11:12							-	x: Soli		
Date Received: 01/24/22 16:36										
Sample Depth: 0.5										
_ Method: 300.0 - Anions, Ion Cl	hromatography -	Soluble								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa		
Chloride	19.9		4.95	mg/Kg			01/27/22 17:05			
Client Sample ID: BH05A						Lab Sam	ple ID: 890-1	867-1		
Date Collected: 01/24/22 11:13 Date Received: 01/24/22 16:36 Sample Depth: 1							Matri	x: Soli		
Method: 8021B - Volatile Orga	nic Compounds (GC)								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa		
Benzene	<0.00200		0.00200	mg/Kg		01/26/22 07:25	01/26/22 18:30			
Toluene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 18:30			
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 18:30			
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		01/26/22 07:25	01/26/22 18:30			
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 18:30			
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		01/26/22 07:25	01/26/22 18:30			
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa		
4-Bromofluorobenzene (Surr)	110		70 - 130			01/26/22 07:25	01/26/22 18:30			
1,4-Difluorobenzene (Surr)	81		70 - 130			01/26/22 07:25	01/26/22 18:30			
Method: Total BTEX - Total BT	EX Calculation									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa		
Total BTEX	<0.00399	U	0.00399	mg/Kg			01/28/22 14:15			
Method: 8015 NM - Diesel Ran	ge Organics (DR	0) (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa		
Total TPH	<50.0	U	50.0	mg/Kg			01/27/22 16:17			
Method: 8015B NM - Diesel Ra	inge Organics (D	RO) (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		01/27/22 08:32	01/27/22 20:41			
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		01/27/22 08:32	01/27/22 20:41			
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		01/27/22 08:32	01/27/22 20:41			
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa		
1-Chlorooctane	132	S1+	70 - 130			01/27/22 08:32	01/27/22 20:41			
o-Terphenyl	153	S1+	70 - 130			01/27/22 08:32	01/27/22 20:41			
Method: 300.0 - Anions, Ion Cl	hromatography -	Soluble								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa		
Chloride	18.6		4.97	mg/Kg			01/27/22 17:13			

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Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #016

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)		
890-1866-A-1-A MS	Matrix Spike	108	108		
890-1866-A-1-B MSD	Matrix Spike Duplicate	103	97		
890-1867-1	BH01	145 S1+	127		- 7
890-1867-2	BH01A	118	100		
890-1867-3	BH02	127	112		
890-1867-4	BH02A	107	108		
890-1867-5	BH03	127	95		
890-1867-6	BH03A	116	102		
890-1867-7	BH04	105	105		
890-1867-8	BH04A	105	80		
890-1867-9	BH05	119	106		
890-1867-10	BH05A	110	81		
LCS 880-17744/1-A	Lab Control Sample	95	89		
LCSD 880-17744/2-A	Lab Control Sample Dup	101	104		
MB 880-17744/5-A	Method Blank	109	103		
Surrogate Legend					
BFB = 4-Bromofluorobe					
DFBZ = 1,4-Difluorober	zene (Surr)				

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

Prep Type: Total/NA Percent Surrogate Recovery (Acceptance Limits) 1CO1 OTPH1 (70-130) (70-130) **Client Sample ID** Lab Sample ID 880-10594-A-1-H MS Matrix Spike 92 83 880-10594-A-1-I MSD Matrix Spike Duplicate 87 77 890-1867-1 BH01 135 S1+ 161 S1+ 890-1867-2 BH01A 134 S1+ 116 890-1867-3 BH02 129 152 S1+ 890-1867-4 BH02A 135 S1+ 153 S1+ 890-1867-5 BH03 111 116 890-1867-6 BH03A 118 129 890-1867-7 BH04 118 128 890-1867-8 BH04A 129 148 S1+ 890-1867-9 BH05 136 S1+ 165 S1+ 890-1867-10 BH05A 132 S1+ 153 S1+ LCS 880-17869/2-A 82 Lab Control Sample 84 LCSD 880-17869/3-A 78 Lab Control Sample Dup 75 MB 880-17869/1-A Method Blank 162 S1+ 180 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Job ID: 890-1867-1 SDG: 31403471.004 Prep Type: Total/NA

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Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-17744/5-A	
Matrix: Solid	

Analysis Batch: 17745

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 10:46	1
Toluene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 10:46	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 10:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		01/26/22 07:25	01/26/22 10:46	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		01/26/22 07:25	01/26/22 10:46	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		01/26/22 07:25	01/26/22 10:46	1
	МВ	МВ						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			01/26/22 07:25	01/26/22 10:46	1
1,4-Difluorobenzene (Surr)	103		70 - 130			01/26/22 07:25	01/26/22 10:46	1

Lab Sample ID: LCS 880-17744/1-A Matrix: Solid

Analysis Batch: 17745

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08925		mg/Kg		89	70 - 130	
Toluene	0.100	0.08410		mg/Kg		84	70 - 130	
Ethylbenzene	0.100	0.08085		mg/Kg		81	70 - 130	
m-Xylene & p-Xylene	0.200	0.1687		mg/Kg		84	70 - 130	
o-Xylene	0.100	0.08470		mg/Kg		85	70 ₋ 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	89		70 - 130

Lab Sample ID: LCSD 880-17744/2-A

Matrix: Solid

Analysis Batch: 17745							Prep	Batch:	17744
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09191		mg/Kg		92	70 - 130	3	35
Toluene	0.100	0.08406		mg/Kg		84	70 - 130	0	35
Ethylbenzene	0.100	0.08261		mg/Kg		83	70 - 130	2	35
m-Xylene & p-Xylene	0.200	0.1708		mg/Kg		85	70 - 130	1	35
o-Xylene	0.100	0.08371		mg/Kg		84	70 - 130	1	35

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

Lab Sample ID: 890-1866-A-1-A MS Matrix: Solid

Analysis Batch: 17745

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130

Prep Type: Total/NA

Client Sample ID: Method Blank Prep Type: Total/NA Prep Batch: 17744

Prepared	Analyzed	Dil Fac
01/26/22 07:25	01/26/22 10:46	1

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Type: Total/NA

Prep Batch: 17744

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Client Sample ID: Matrix Spike

Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #016

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

ab Sample ID: 890-1866-A-1-	AMS									Client S	Sample ID: Ma		
latrix: Solid Inalysis Batch: 17745											Prep Type	: Tot	tal/N
	МС	MO											
	MS % Recovery		lifior	Limito									
urrogate ,4-Difluorobenzene (Surr)	%Recovery 108	Qua	imer	Limits 70 - 130									
4-Dilluoloberizerie (Sull)	100			70 - 130									
ab Sample ID: 890-1866-A-1- /atrix: Solid	B MSD							Clier	nt Sa	mple ID:	Matrix Spike Prep Type		
analysis Batch: 17745													
	MSD	MSD)										
urrogate	%Recovery	Qua	lifier	Limits									
-Bromofluorobenzene (Surr)	103			70 - 130									
,4-Difluorobenzene (Surr)	97			70 - 130									
ethod: 8015B NM - Diese	I Range Or	dar	nics (DR	(GC)									
		<u>.</u>											Die
ab Sample ID: MB 880-17869 Iatrix: Solid	/1 -A									Client Sa	mple ID: Met Prep Type		
Analysis Batch: 17883		мр	мв								Prep Ba	icn:	1/0
naluto	Ba		Qualifier	R		Unit		D	D	oparad	Analyzed		Dil F
nalyte			-					<u> </u>		repared 7/22 08:32	01/27/22 11:24		
asoline Range Organics GRO)-C6-C10	<:	50.0	U	50.	U	mg/ł	Ŋ		01/2	1/22 00.32	01/27/22 11.24	}	
iesel Range Organics (Over 10-C28)	<	50.0	U	50.	D	mg/ł	٢g		01/2	7/22 08:32	01/27/22 11:24	ŀ	
II Range Organics (Over C28-C36)	<	50.0	U	50.	D	mg/ł	٢g		01/2	7/22 08:32	01/27/22 11:24	ł	
		ΜВ	МВ										
urrogate	%Recov	very	Qualifier	Limits					PI	repared	Analyzed		Dil F
-Chlorooctane		162	S1+	70 - 130	_			-	01/2	7/22 08:32	01/27/22 11:24	4	
-Terphenyl		180	S1+	70 - 130					01/2	7/22 08:32	01/27/22 11:24	4	
ab Sample ID: LCS 880-1786	9/2-4							C	liont	Sample	ID: Lab Contr	ol S:	amr
Aatrix: Solid										Campio	Prep Type		
Analysis Batch: 17883											Prep Ba		
analysis Datch. 17005				Spike	1.05	LCS					%Rec.	.cn.	170
nalyte				Added		Qualifier	Unit		п	%Rec	Limits		
asoline Range Organics				1000	1128	Quaimer	mg/Kg		<u> </u>	113	70 - 130		
GRO)-C6-C10				1000	1120		iiig/itg			115	70 - 100		
iesel Range Organics (Over 10-C28)				1000	854.6		mg/Kg			85	70 ₋ 130		
	LCS	105											
urrogate	%Recovery			Limits									
-Chlorooctane	84			70 - 130									
Terphenyl	82			70 - 130 70 - 130									
ab Sample ID: LCSD 880-178	69/3-A						CI	ient	Sam	ple ID: L	ab Control Sa	mple	e Di
latrix: Solid											Prep Type	: Tot	tal/l
											Prep Ba	t <mark>ch:</mark> '	178
nalysis Batch: 17883													
Analysis Batch: 17883				Spike	LCSD	LCSD					%Rec.		ĸ
Analysis Batch: 17883				Spike Added		LCSD Qualifier	Unit		D	%Rec		RPD	Ri Lir

Job ID: 890-1867-1

SDG: 31403471.004

Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #016

Lab Sample ID: LCSD 880-17869/3-A

Job ID: 890-1867-1 SDG: 31403471.004

Client Sample ID: Lab Control Sample Dup

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

Matrix: Solid	1003/3-4						int San		Bron J		tal/NA
										Type: To	
Analysis Batch: 17883			Cuilta	1.000	LCSD				%Rec.	Batch:	RPD
Analysis			Spike			11	<u> </u>	% Dee		000	
Analyte			Added		Qualifier	Unit	<u>D</u>	%Rec	Limits	RPD 5	2
Diesel Range Organics (Over C10-C28)			1000	809.5		mg/Kg		81	70 - 130	5	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	78		70 - 130								
o-Terphenyl	75		70 - 130								
Lab Sample ID: 880-10594-A	A-1-H MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid										Гуре: То	
Analysis Batch: 17883										Batch:	
· · · · · · · · · · · · · · · · · · ·	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	-	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	997	1224		mg/Kg		119	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	997	1254		mg/Kg		126	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	92		70 - 130	-							
o-Terphenyl	83		70 - 130								
Matrix: Solid	A-1-I MSD					CI	ient Sa	ampie IL		Type: To Batch:	tal/N/
Matrix: Solid Analysis Batch: 17883	Sample	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier			-	Prep 1 Prep %Rec.	Type: To Batch:	tal/N/ 17869 RPI
Matrix: Solid Analysis Batch: 17883 Analyte	Sample Result	Qualifier	Added	Result	MSD Qualifier	Unit	<u> </u>	%Rec	Prep 1 Prep %Rec. Limits	Batch:	tal/N/ 17869 RPI Limi
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics	Sample	Qualifier						-	Prep 1 Prep %Rec.	Type: To Batch:	tal/N/ 17869 RPI Limi
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Sample Result	Qualifier	Added	Result		Unit		%Rec	Prep 1 Prep %Rec. Limits	Batch:	tal/N/ 17869 RPI Limi 20
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Sample 	Qualifier	Added 996	Result 1221		- <mark>Unit</mark> mg/Kg		%Rec 119	Prep 7 Prep %Rec. Limits 70 - 130	Type: To Batch: RPD 0	tal/N/ 17869 RPI Limi 20
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Sample 	Qualifier	Added 996	Result 1221		- <mark>Unit</mark> mg/Kg		%Rec 119	Prep 7 Prep %Rec. Limits 70 - 130	Type: To Batch: RPD 0	tal/N/ 17869 RPI Limi 20
Lab Sample ID: 880-10594-A Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	Sample 	Qualifier U U MSD	Added 996 996	Result 1221		- <mark>Unit</mark> mg/Kg		%Rec 119	Prep 7 Prep %Rec. Limits 70 - 130	Type: To Batch: RPD 0	tal/NA 17869 RPC Limi 20
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	Sample Result <49.9 <49.9 MSD %Recovery	Qualifier U U MSD	Added 996 996 Limits	Result 1221		- <mark>Unit</mark> mg/Kg		%Rec 119	Prep 7 Prep %Rec. Limits 70 - 130	Type: To Batch: RPD 0	tal/NA 17869 RPC Limi 20
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	Sample Result <49.9 <49.9 MSD <i>%Recovery</i> 87 77	Qualifier U U MSD Qualifier	Added 996 996 Limits 70 - 130	Result 1221		- <mark>Unit</mark> mg/Kg		%Rec 119	Prep 7 Prep %Rec. Limits 70 - 130	Type: To Batch: RPD 0	tal/N/ 17869 RPI Limi 20
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions,	Sample Result <49.9 <49.9 MSD %Recovery 87 77 Ion Chromat	Qualifier U U MSD Qualifier	Added 996 996 Limits 70 - 130	Result 1221		- <mark>Unit</mark> mg/Kg		%Rec 119 118	Prep 7 Prep %Rec. Limits 70 - 130 70 - 130	Type: To Batch: 	tal/N/ 17869 RPI Limi 20
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Lab Sample ID: MB 880-177	Sample Result <49.9 <49.9 MSD %Recovery 87 77 Ion Chromat	Qualifier U U MSD Qualifier	Added 996 996 Limits 70 - 130	Result 1221		- <mark>Unit</mark> mg/Kg		%Rec 119 118	Prep 7 Prep %Rec. Limits 70 - 130 70 - 130	Type: To Batch: RPD 0 6 Method	tal/N/ 17865 RPI Limi 20 20
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Iethod: 300.0 - Anions, Lab Sample ID: MB 880-177 Matrix: Solid	Sample Result <49.9 <49.9 MSD %Recovery 87 77 Ion Chromat	Qualifier	Added 996 996 Limits 70 - 130	Result 1221		- <mark>Unit</mark> mg/Kg		%Rec 119 118	Prep 7 Prep %Rec. Limits 70 - 130 70 - 130	Type: To Batch: 	tal/N/ 17865 RPI Limi 20 20
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Iethod: 300.0 - Anions, Lab Sample ID: MB 880-177 Matrix: Solid Analysis Batch: 17923	Sample Result <49.9 <49.9 MSD %Recovery 87 77 Ion Chromat 71/1-A	Qualifier U MSD Qualifier Ography	Added 996 996 Limits 70 - 130	Result 1221 1180	Qualifier	- <mark>Unit</mark> mg/Kg mg/Kg	<u>D</u>	%Rec 119 118	Prep 7 Prep %Rec. Limits 70 - 130 70 - 130 70 - 130	Type: To Batch: RPD 0 6 Method Type: S	tal/NA 17869 RPE Limi 20 20 8 Blank
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Iethod: 300.0 - Anions, Lab Sample ID: MB 880-177 Matrix: Solid Analysis Batch: 17923 Analyte	Sample Result <49.9 <49.9 MSD %Recovery 87 77 Ion Chromat 71/1-A	Qualifier U MSD Qualifier Ography MB MB esult Qualifier	Added 996 996 Limits 70 - 130	Result 1221 1180	Qualifier	Unit mg/Kg mg/Kg	<u>D</u>	%Rec 119 118	Prep 7 Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130	Method Type: S	tal/N/ 17869 RPI Limi 20 20 20 Blani oluble
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Iethod: 300.0 - Anions, Lab Sample ID: MB 880-177 Matrix: Solid Analysis Batch: 17923 Analyte	Sample Result <49.9 <49.9 MSD %Recovery 87 77 Ion Chromat 71/1-A	Qualifier U MSD Qualifier Ography	Added 996 996 Limits 70 - 130	Result 1221 1180	Qualifier	Unit mg/Kg mg/Kg	<u>D</u>	%Rec 119 118	Prep 7 Prep %Rec. Limits 70 - 130 70 - 130 70 - 130	Method Type: S	tal/N/ 17869 RPI Limi 20 20 20 Blanl olublo
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Lab Sample ID: MB 880-177 Matrix: Solid Analysis Batch: 17923 Analyte Chloride Lab Sample ID: LCS 880-177	Sample Result <49.9 <49.9 MSD %Recovery 87 77 Ion Chromat 771/1-A	Qualifier U MSD Qualifier Ography MB MB esult Qualifier	Added 996 996 Limits 70 - 130	Result 1221 1180	Qualifier	Unit mg/Kg mg/Kg	D	%Rec 119 118 Client S	Prep 7 Prep 7 %Rec. Limits 70 - 130 70 -	Type: To Batch: <u>RPD</u> 0 6 Method Type: S red 08:49 	tal/N/ 17869 RPI Limi 20 20 Blani olubio
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Nethod: 300.0 - Anions, Lab Sample ID: MB 880-177 Matrix: Solid Analysis Batch: 17923 Analyte Chloride Lab Sample ID: LCS 880-177 Matrix: Solid	Sample Result <49.9 <49.9 MSD %Recovery 87 77 Ion Chromat 771/1-A	Qualifier U MSD Qualifier Ography MB MB esult Qualifier	Added 996 996 Limits 70 - 130	Result 1221 1180	Qualifier	Unit mg/Kg mg/Kg	D	%Rec 119 118 Client S	Prep 7 Prep 7 %Rec. Limits 70 - 130 70 -	Method Type: S	tal/N/ 17865 RPI Limi 20 20 Blank oluble Dil Fac
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Nethod: 300.0 - Anions, Lab Sample ID: MB 880-177 Matrix: Solid Analysis Batch: 17923 Analyte Chloride Lab Sample ID: LCS 880-177 Matrix: Solid	Sample Result <49.9 <49.9 MSD %Recovery 87 77 Ion Chromat 771/1-A	Qualifier U MSD Qualifier Ography MB MB esult Qualifier	Added 996 996 Limits 70 - 130	Result 1221 1180	Qualifier	Unit mg/Kg mg/Kg	D	%Rec 119 118 Client S	Prep 7 Prep 7 %Rec. Limits 70 - 130 70 -	Type: To Batch: <u>RPD</u> 0 6 Method Type: S red 08:49 	tal/N/ 17865 RPI Limi 20 20 Blank oluble Dil Fac
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Lab Sample ID: MB 880-177 Matrix: Solid Analysis Batch: 17923 Analyte	Sample Result <49.9 <49.9 MSD %Recovery 87 77 Ion Chromat 771/1-A	Qualifier U MSD Qualifier Ography MB MB esult Qualifier	Added 996 996 Limits 70 - 130	Result 1221 1180 5.00	Qualifier	Unit mg/Kg mg/Kg	D	%Rec 119 118 Client S	Prep 7 Prep 7 %Rec. Limits 70 - 130 70 -	Type: To Batch: <u>RPD</u> 0 6 Method Type: S red 08:49 	tal/NA 17869 RPD Limit 20 20 Blank oluble Dil Fac
Matrix: Solid Analysis Batch: 17883 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl lethod: 300.0 - Anions, Lab Sample ID: MB 880-177 Matrix: Solid Analysis Batch: 17923 Analyte Chloride Lab Sample ID: LCS 880-177 Matrix: Solid	Sample Result <49.9 <49.9 MSD %Recovery 87 77 Ion Chromat 771/1-A	Qualifier U MSD Qualifier Ography MB MB esult Qualifier	Added 996 996 Limits 70 - 130 70 - 130	Result 1221 1180 5.00	Qualifier Unit	Unit mg/Kg mg/Kg	D	%Rec 119 118 Client S	Prep 7 Prep 7 %Rec. Limits 70 - 130 70 - 100 70 -	Type: To Batch: <u>RPD</u> 0 6 Method Type: S red 08:49 	tal/N/ 17865 RPI Limi 20 20 Blank oluble Dil Fac

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Client: WSP USA Inc.

Job ID: 890-1867-1 SDG: 31403471.004

Project/Site: Trinity Burrus Unit #016 Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-17 Matrix: Solid	771/3-A					Cli	ent Sar	nple ID: I	Lab Contro Prep	l Sampl Type: S	
Analysis Batch: 17923											
			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride			250	223.0	*_	mg/Kg		89	90 - 110	5	20
Lab Sample ID: 890-1864-A-1 Matrix: Solid	8-C MS							Client	Sample ID	: Matrix Type: S	
Analysis Batch: 17923									Fieb	Type. 5	oluble
Analysis Baton. Trozo	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	-	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Chloride	8.19	*_	250	252.8		mg/Kg		98	90 _ 110		
Lab Sample ID: 890-1864-A-1	8-D MSD					C	Client S	ample ID): Matrix Sp	oike Dup	olicate
Matrix: Solid									Prep	Type: S	oluble
Analysis Batch: 17923											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	8.19	*_	250	239.9		mg/Kg		93	90 - 110	5	20
Lab Sample ID: MB 880-17944 Matrix: Solid	4/1-A							Client S	Sample ID: Prep	Method Type: Se	
Analysis Batch: 17946											
		MB MB									
	D.	esult Qualifier		RL	Unit		D	Prepared	Analyz	ed	Dil Fac
								•			
		5.00 U		5.00	mg/Kg	9			01/27/22	14:48	1
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid	<		:]		t Sample	ID: Lab Co		ample
Analyte Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946	<			5.00	mg/K	3		t Sample	e ID: Lab Co Prep	ontrol Sa	ample
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946	<		Spike	5.00 LCS	mg/K	-	Clien	-	e ID: Lab Co Prep %Rec.	ontrol Sa	ample
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte	<			5.00 LCS	mg/K	Unit		t Sample	e ID: Lab Co Prep	ontrol Sa	ample
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946	<		Spike Added	5.00 LCS Result	mg/K	-	Clien	%Rec	B ID: Lab Co Prep %Rec. Limits	ontrol Sa	
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte Chloride	44/2-A		Spike Added	5.00 LCS Result	mg/K	Unit mg/Kg	Clien	%Rec 110	B ID: Lab Co Prep %Rec. Limits	ontrol Sa Type: Sa	ample
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: LCSD 880-179 Matrix: Solid	44/2-A		Spike Added	5.00 LCS Result	mg/K	Unit mg/Kg	Clien	%Rec 110	 D: Lab Conception WRec. Limits 90 - 110 Lab Control 	ontrol Sa Type: Sa	ample oluble e Dup
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: LCSD 880-179 Matrix: Solid	44/2-A		Spike Added 250	5.00 LCS Result 273.9	LCS Qualifier	Unit mg/Kg	Clien	%Rec 110	Prep %Rec. Limits 90 - 110 Lab Contro Prep	ontrol Sampl	ample oluble e Dup oluble
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: LCSD 880-179 Matrix: Solid Analysis Batch: 17946	44/2-A		Spike Added 250 Spike	5.00 LCS Result 273.9	LCS Qualifier	Unit mg/Kg Cli	Clien D_ ent Sar	%Rec 110 mple ID: I	Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec.	I Sampl Type: S	ample oluble e Dup oluble RPD
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: LCSD 880-179 Matrix: Solid Analysis Batch: 17946 Analyte	44/2-A		Spike Added 250 Spike Added	5.00 LCS Result 273.9 LCSD Result	LCS Qualifier	Unit mg/Kg Cli	Clien	%Rec 110 mple ID: I	e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits	I Sampl Type: S	e Dup oluble e Dup oluble RPD Limit
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: LCSD 880-175	44/2-A		Spike Added 250 Spike	5.00 LCS Result 273.9	LCS Qualifier	Unit mg/Kg Cli	Clien D_ ent Sar	%Rec 110 mple ID: I	Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec.	I Sampl Type: S	e Dup oluble e Dup oluble RPD Limit
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: LCSD 880-179 Matrix: Solid Analysis Batch: 17946 Analyte Chloride	44/2-A 944/3-A		Spike Added 250 Spike Added	5.00 LCS Result 273.9 LCSD Result	LCS Qualifier	Unit mg/Kg Cli	Clien D_ ent Sar	%Rec 110 mple ID: 1 %Rec 109	e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110	I Sampl Type: S I Sampl Type: S RPD 0	e Dup oluble e Dup oluble RPD Limit
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: LCSD 880-179 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: 880-10422-A-	44/2-A 944/3-A		Spike Added 250 Spike Added	5.00 LCS Result 273.9 LCSD Result	LCS Qualifier	Unit mg/Kg Cli	Clien D_ ent Sar	%Rec 110 mple ID: 1 %Rec 109	e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID	I Sampl Type: S I Sampl Type: S RPD 0	e Dup oluble cluble cluble RPD Limit 20 Spike
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Chloride Lab Sample ID: LCSD 880-179 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: 880-10422-A- Matrix: Solid	44/2-A 944/3-A		Spike Added 250 Spike Added	5.00 LCS Result 273.9 LCSD Result	LCS Qualifier	Unit mg/Kg Cli	Clien D_ ent Sar	%Rec 110 mple ID: 1 %Rec 109	e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID	I Sampl Type: S I Sampl Type: S RPD 0	e Dup oluble cluble cluble RPD Limit 20 Spike
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Chloride Lab Sample ID: LCSD 880-179 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: 880-10422-A- Matrix: Solid	44/2-A 944/3-A 20-B MS		Spike Added 250 Spike Added	5.00 LCS Result 273.9 LCSD Result 273.6	LCS Qualifier	Unit mg/Kg Cli	Clien D_ ent Sar	%Rec 110 mple ID: 1 %Rec 109	e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID	I Sampl Type: S I Sampl Type: S RPD 0	e Dup oluble cluble cluble RPD Limit 20 Spike
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: LCSD 880-179 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: 880-10422-A- Matrix: Solid Analysis Batch: 17946	44/2-A 944/3-A 20-B MS Sample	-5.00 U	Spike Added 250 Spike Added 250	5.00 LCS Result 273.9 LCSD Result 273.6	LCS Qualifier Qualifier	Unit mg/Kg Cli	Clien D_ ent Sar	%Rec 110 mple ID: 1 %Rec 109	e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID Prep	I Sampl Type: S I Sampl Type: S RPD 0	e Dup oluble e Dup oluble RPD Limit 20 Spike
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: LCSD 880-179 Matrix: Solid Analysis Batch: 17946 Chloride Lab Sample ID: 880-10422-A- Matrix: Solid Analysis Batch: 17946 Analyte Analyte	44/2-A 944/3-A 20-B MS Sample	5.00 U	Spike Added 250 Spike Added 250 Spike	5.00 LCS Result 273.9 LCSD Result 273.6	LCS Qualifier Qualifier MS	Unit mg/Kg Clin Unit mg/Kg	Clien D ent Sar	%Rec 110 nple ID: I %Rec 109 Client	e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID Prep %Rec.	I Sampl Type: S I Sampl Type: S RPD 0	e Dup oluble cluble cluble RPD Limit 20 Spike
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: LCSD 880-179 Matrix: Solid Analysis Batch: 17946 Chloride Lab Sample ID: 880-10422-A- Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: 880-10422-A- Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: 880-10422-A-	44/2-A 944/3-A 20-B MS Sample Result 240	5.00 U	Spike Added 250 Spike Added 250 Spike Added	5.00 LCS Result 273.9 LCSD Result 273.6 MS Result	LCS Qualifier Qualifier MS	Unit mg/Kg Clin Unit mg/Kg	Clien D ent Sar D D	%Rec 110 mple ID: I %Rec 109 Client %Rec 108	e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID Prep %Rec. Limits 90 - 110	I Sampl Type: So I Sampl Type: So RPD 0 : Matrix Type: So	e Dup oluble RPD Limit 20 Spike oluble
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: LCSD 880-179 Matrix: Solid Analysis Batch: 17946 Analyte	44/2-A 944/3-A 20-B MS Sample Result 240	5.00 U	Spike Added 250 Spike Added 250 Spike Added	5.00 LCS Result 273.9 LCSD Result 273.6 MS Result	LCS Qualifier Qualifier MS	Unit mg/Kg Clin Unit mg/Kg	Clien D ent Sar D D	%Rec 110 mple ID: I %Rec 109 Client %Rec 108	e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID Prep %Rec. Limits 90 - 110	I Sampl Type: S I Sampl Type: S RPD 0 : Matrix Type: S	e Dup oluble RPD Limit 20 Spike oluble
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: LCSD 880-179 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: 880-10422-A- Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: 880-10422-A- Matrix: Solid	44/2-A 944/3-A 20-B MS Sample Result 240 20-C MSD	5.00 U	Spike Added 250 Spike Added 250 Spike Added	5.00 LCS Result 273.9 LCSD Result 273.6 MS Result 506.7	LCS Qualifier Qualifier MS	Unit mg/Kg Clin Unit mg/Kg	Clien D ent Sar D D	%Rec 110 mple ID: I %Rec 109 Client %Rec 108	e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID Prep %Rec. Limits 90 - 110	I Sampl Type: S I Sampl Type: S RPD 0 : Matrix Type: S	e Dup oluble RPD Limit 20 Spike oluble
Chloride Lab Sample ID: LCS 880-1794 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: LCSD 880-179 Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: 880-10422-A- Matrix: Solid Analysis Batch: 17946 Analyte Chloride Lab Sample ID: 880-10422-A- Matrix: Solid	44/2-A 944/3-A 20-B MS Sample Result 240 20-C MSD Sample	5.00 U	Spike Added 250 Spike Added 250 Spike Added 248	5.00 LCS Result 273.9 LCSD Result 273.6 MS Result 506.7	LCS Qualifier Qualifier MS Qualifier	Unit mg/Kg Clin Unit mg/Kg	Clien D ent Sar D D	%Rec 110 mple ID: I %Rec 109 Client %Rec 108	e ID: Lab Co Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID Prep %Rec. Limits 90 - 110	I Sampl Type: S I Sampl Type: S RPD 0 : Matrix Type: S	e Dup oluble RPD Limit 20 Spike oluble

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Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #016

5 6

Job ID: 890-1867-1 SDG: 31403471.004

GC VOA

Prep Batch: 17744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1867-1	BH01	Total/NA	Solid	5035	
890-1867-2	BH01A	Total/NA	Solid	5035	
890-1867-3	BH02	Total/NA	Solid	5035	
890-1867-4	BH02A	Total/NA	Solid	5035	
890-1867-5	BH03	Total/NA	Solid	5035	
890-1867-6	BH03A	Total/NA	Solid	5035	
890-1867-7	BH04	Total/NA	Solid	5035	
890-1867-8	BH04A	Total/NA	Solid	5035	
890-1867-9	BH05	Total/NA	Solid	5035	
890-1867-10	BH05A	Total/NA	Solid	5035	
MB 880-17744/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-17744/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-17744/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 17745

890-1867-7	BH04	Iotal/NA	Solid	5035		
890-1867-8	BH04A	Total/NA	Solid	5035		8
890-1867-9	BH05	Total/NA	Solid	5035		
890-1867-10	BH05A	Total/NA	Solid	5035		9
MB 880-17744/5-A	Method Blank	Total/NA	Solid	5035		
LCS 880-17744/1-A	Lab Control Sample	Total/NA	Solid	5035		
LCSD 880-17744/2-A	Lab Control Sample Dup	Total/NA	Solid	5035		
Analysis Batch: 17745						
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
890-1867-1	BH01	Total/NA	Solid	8021B	17744	
890-1867-2	BH01A	Total/NA	Solid	8021B	17744	
890-1867-3	BH02	Total/NA	Solid	8021B	17744	
890-1867-4	BH02A	Total/NA	Solid	8021B	17744	
890-1867-5	BH03	Total/NA	Solid	8021B	17744	
890-1867-6	BH03A	Total/NA	Solid	8021B	17744	
890-1867-7	BH04	Total/NA	Solid	8021B	17744	
890-1867-8	BH04A	Total/NA	Solid	8021B	17744	
890-1867-9	BH05	Total/NA	Solid	8021B	17744	
890-1867-10	BH05A	Total/NA	Solid	8021B	17744	
MB 880-17744/5-A	Method Blank	Total/NA	Solid	8021B	17744	
LCS 880-17744/1-A	Lab Control Sample	Total/NA	Solid	8021B	17744	
LCSD 880-17744/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	17744	
890-1866-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B		
890-1866-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B		

Analysis Batch: 18058

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1867-1	BH01	Total/NA	Solid	Total BTEX	
890-1867-2	BH01A	Total/NA	Solid	Total BTEX	
890-1867-3	BH02	Total/NA	Solid	Total BTEX	
890-1867-4	BH02A	Total/NA	Solid	Total BTEX	
890-1867-5	BH03	Total/NA	Solid	Total BTEX	
890-1867-6	BH03A	Total/NA	Solid	Total BTEX	
890-1867-7	BH04	Total/NA	Solid	Total BTEX	
890-1867-8	BH04A	Total/NA	Solid	Total BTEX	
890-1867-9	BH05	Total/NA	Solid	Total BTEX	
890-1867-10	BH05A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 17869

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1867-1	BH01	Total/NA	Solid	8015NM Prep	
890-1867-2	BH01A	Total/NA	Solid	8015NM Prep	

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Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #016

GC Semi VOA (Continued)

Prep Batch: 17869 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1867-3	BH02	Total/NA	Solid	8015NM Prep	
890-1867-4	BH02A	Total/NA	Solid	8015NM Prep	
890-1867-5	BH03	Total/NA	Solid	8015NM Prep	
890-1867-6	BH03A	Total/NA	Solid	8015NM Prep	
890-1867-7	BH04	Total/NA	Solid	8015NM Prep	
890-1867-8	BH04A	Total/NA	Solid	8015NM Prep	
890-1867-9	BH05	Total/NA	Solid	8015NM Prep	
890-1867-10	BH05A	Total/NA	Solid	8015NM Prep	
MB 880-17869/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-17869/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-17869/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-10594-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-10594-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 17883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1867-1	BH01	Total/NA	Solid	8015B NM	17869
890-1867-2	BH01A	Total/NA	Solid	8015B NM	17869
890-1867-3	BH02	Total/NA	Solid	8015B NM	17869
890-1867-4	BH02A	Total/NA	Solid	8015B NM	17869
890-1867-5	BH03	Total/NA	Solid	8015B NM	17869
890-1867-6	BH03A	Total/NA	Solid	8015B NM	17869
890-1867-7	BH04	Total/NA	Solid	8015B NM	17869
890-1867-8	BH04A	Total/NA	Solid	8015B NM	17869
890-1867-9	BH05	Total/NA	Solid	8015B NM	17869
890-1867-10	BH05A	Total/NA	Solid	8015B NM	17869
MB 880-17869/1-A	Method Blank	Total/NA	Solid	8015B NM	17869
LCS 880-17869/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	17869
LCSD 880-17869/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17869
880-10594-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	17869
880-10594-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	17869

Analysis Batch: 17951

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1867-1	BH01	Total/NA	Solid	8015 NM	
890-1867-2	BH01A	Total/NA	Solid	8015 NM	
890-1867-3	BH02	Total/NA	Solid	8015 NM	
890-1867-4	BH02A	Total/NA	Solid	8015 NM	
890-1867-5	BH03	Total/NA	Solid	8015 NM	
890-1867-6	BH03A	Total/NA	Solid	8015 NM	
890-1867-7	BH04	Total/NA	Solid	8015 NM	
890-1867-8	BH04A	Total/NA	Solid	8015 NM	
890-1867-9	BH05	Total/NA	Solid	8015 NM	
890-1867-10	BH05A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 17771

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1867-1	BH01	Soluble	Solid	DI Leach	
890-1867-2	BH01A	Soluble	Solid	DI Leach	

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Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #016

HPLC/IC (Continued)

Leach Batch: 17771 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1867-3	BH02	Soluble	Solid	DI Leach	
890-1867-4	BH02A	Soluble	Solid	DI Leach	
890-1867-5	BH03	Soluble	Solid	DI Leach	
890-1867-6	BH03A	Soluble	Solid	DI Leach	
890-1867-7	BH04	Soluble	Solid	DI Leach	
MB 880-17771/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-17771/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-17771/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1864-A-18-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1864-A-18-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 17923

LCS 000-1/// 1/2-A	Lab Control Sample	Soluble	Solid	Di Leach		
LCSD 880-17771/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach		8
890-1864-A-18-C MS	Matrix Spike	Soluble	Solid	DI Leach		
890-1864-A-18-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach		9
Analysis Batch: 17923						40
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch	
890-1867-1	BH01	Soluble	Solid	300.0	17771	44
890-1867-2	BH01A	Soluble	Solid	300.0	17771	
890-1867-3	BH02	Soluble	Solid	300.0	17771	12
890-1867-4	BH02A	Soluble	Solid	300.0	17771	
890-1867-5	BH03	Soluble	Solid	300.0	17771	4.9
890-1867-6	BH03A	Soluble	Solid	300.0	17771	13
890-1867-7	BH04	Soluble	Solid	300.0	17771	
MB 880-17771/1-A	Method Blank	Soluble	Solid	300.0	17771	14
LCS 880-17771/2-A	Lab Control Sample	Soluble	Solid	300.0	17771	
LCSD 880-17771/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	17771	
890-1864-A-18-C MS	Matrix Spike	Soluble	Solid	300.0	17771	
890-1864-A-18-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	17771	

Leach Batch: 17944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1867-8	BH04A	Soluble	Solid	DI Leach	
890-1867-9	BH05	Soluble	Solid	DI Leach	
890-1867-10	BH05A	Soluble	Solid	DI Leach	
MB 880-17944/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-17944/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-17944/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-10422-A-20-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-10422-A-20-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 17946

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1867-8	BH04A	Soluble	Solid	300.0	17944
890-1867-9	BH05	Soluble	Solid	300.0	17944
890-1867-10	BH05A	Soluble	Solid	300.0	17944
MB 880-17944/1-A	Method Blank	Soluble	Solid	300.0	17944
LCS 880-17944/2-A	Lab Control Sample	Soluble	Solid	300.0	17944
LCSD 880-17944/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	17944
880-10422-A-20-B MS	Matrix Spike	Soluble	Solid	300.0	17944
880-10422-A-20-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	17944

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Job ID: 890-1867-1

SDG: 31403471.004

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Job ID: 890-1867-1 SDG: 31403471.004

Lab Sample ID: 890-1867-1 Matrix: Solid

Lab Sample ID: 890-1867-2

Lab Sample ID: 890-1867-3

Lab Sample ID: 890-1867-4

Matrix: Solid

Matrix: Solid

Date Collected: 01/24/22 10:39 Date Received: 01/24/22 16:36

Client Sample ID: BH01

Client: WSP USA Inc.

	Batch	h Batch	Dil	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	17744	01/26/22 07:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17745	01/26/22 14:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18058	01/28/22 14:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17951	01/27/22 16:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17869	01/27/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17883	01/27/22 17:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	17771	01/26/22 10:14	СН	XEN MID
Soluble	Analysis	300.0		1			17923	01/31/22 13:33	СН	XEN MID

Client Sample ID: BH01A

Date Collected: 01/24/22 10:40

Date Received: 01/24/22 16:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	17744	01/26/22 07:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17745	01/26/22 14:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18058	01/28/22 14:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17951	01/27/22 16:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17869	01/27/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17883	01/27/22 17:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17771	01/26/22 10:14	СН	XEN MID
Soluble	Analysis	300.0		1			17923	01/31/22 13:45	CH	XEN MID

Client Sample ID: BH02

Date Collected: 01/24/22 10:51

Date Received: 01/24/22 16:36

	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	17744	01/26/22 07:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17745	01/26/22 15:05	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18058	01/28/22 14:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17951	01/27/22 16:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	17869	01/27/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17883	01/27/22 18:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	17771	01/26/22 10:14	СН	XEN MID
Soluble	Analysis	300.0		1			17923	01/31/22 13:57	CH	XEN MID

Client Sample ID: BH02A Date Collected: 01/24/22 10:52 Date Received: 01/24/22 16:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	17744	01/26/22 07:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17745	01/26/22 16:27	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18058	01/28/22 14:15	AJ	XEN MID

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Matrix: Solid

Job ID: 890-1867-1 SDG: 31403471.004

Lab Sample ID: 890-1867-4 Matrix: Solid

Date Collected: 01/24/22 10:52 Date Received: 01/24/22 16:36

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			17951	01/27/22 16:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17869	01/27/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17883	01/27/22 18:23	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	17771	01/26/22 10:14	СН	XEN MID
Soluble	Analysis	300.0		1			17923	01/31/22 14:09	СН	XEN MID

Client Sample ID: BH03

Date Collected: 01/24/22 10:57 Date Received: 01/24/22 16:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17744	01/26/22 07:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17745	01/26/22 16:47	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18058	01/28/22 14:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17951	01/27/22 16:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	17869	01/27/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17883	01/27/22 18:43	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	17771	01/26/22 10:14	СН	XEN MID
Soluble	Analysis	300.0		1			17923	01/31/22 14:21	CH	XEN MID

Client Sample ID: BH03A

Date Collected: 01/24/22 10:58 Date Received: 01/24/22 16:36

Batch Batch Dil Initial Final Batch Prepared Ргер Туре Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.96 g 5 mL 17744 01/26/22 07:25 KL XEN MID Total/NA 8021B 5 mL 5 mL 17745 01/26/22 17:08 KL XEN MID Analysis 1 Total BTEX Total/NA Analysis 1 18058 01/28/22 14:15 AJ XEN MID 01/27/22 16:17 Total/NA Analysis 8015 NM 17951 AJ XEN MID 1 Total/NA Prep 8015NM Prep 10.02 g 10 mL 17869 01/27/22 08:32 DM XEN MID Total/NA Analysis 8015B NM 17883 01/27/22 19:04 A.I XEN MID 1 Soluble Leach DI Leach 5.01 g 50 mL 17771 01/26/22 10:14 СН XEN MID Soluble Analysis 300.0 17923 01/31/22 14:33 СН XEN MID 1

Client Sample ID: BH04

Date Collected: 01/24/22 11:00 Date Received: 01/24/22 16:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	17744	01/26/22 07:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17745	01/26/22 17:28	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18058	01/28/22 14:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17951	01/27/22 16:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17869	01/27/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17883	01/27/22 19:26	AJ	XEN MID

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Matrix: Solid

5 Lab Sample ID: 890-1867-5 9 Matrix: Solid

Lab Sample ID: 890-1867-6

Lab Sample ID: 890-1867-7

Matrix: Solid

Lab Chronicle

Job ID: 890-1867-1 SDG: 31403471.004

Lab Sample ID: 890-1867-7 Matrix: Solid

Date Collected: 01/24/22 11:00 Date Received: 01/24/22 16:36

Client Sample ID: BH04

Client: WSP USA Inc.

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.95 g	50 mL	17771	01/26/22 10:14	СН	XEN MID
Soluble	Analysis	300.0		1			17923	01/31/22 14:44	СН	XEN MID

Client Sample ID: BH04A

Date Collected: 01/24/22 11:04 Date Received: 01/24/22 16:36

	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	17744	01/26/22 07:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17745	01/26/22 17:49	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18058	01/28/22 14:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17951	01/27/22 16:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17869	01/27/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17883	01/27/22 20:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	17944	01/27/22 14:21	СН	XEN MID
Soluble	Analysis	300.0		1			17946	01/27/22 16:58	СН	XEN MID

Client Sample ID: BH05 Date Collected: 01/24/22 11:12 Date Received: 01/24/22 16:36

Dil Initial Final Batch Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.01 g 5 mL 17744 01/26/22 07:25 KL XEN MID Total/NA 8021B 5 mL 5 mL 01/26/22 18:09 XEN MID Analysis 1 17745 KL Total/NA Analysis Total BTEX 1 18058 01/28/22 14:15 AJ XEN MID Total/NA Analysis 8015 NM 1 17951 01/27/22 16:17 AJ XEN MID 8015NM Prep Total/NA Prep 10.01 g 17869 01/27/22 08:32 DM XEN MID 10 mL Analysis XEN MID Total/NA 8015B NM 1 17883 01/27/22 20:20 AJ Soluble Leach DI Leach 5.05 g 50 mL 17944 01/27/22 14:30 СН XEN MID Soluble Analysis 300.0 1 17946 01/27/22 17:05 CH XEN MID

Client Sample ID: BH05A Date Collected: 01/24/22 11:13

Lab Sample ID: 890-1867-10 Matrix: Solid

Lab Sample ID: 890-1867-9

Matrix: Solid

Date Received: 01/24/22 16:36

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	17744	01/26/22 07:25	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	17745	01/26/22 18:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			18058	01/28/22 14:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			17951	01/27/22 16:17	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17869	01/27/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			17883	01/27/22 20:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	17944	01/27/22 14:30	СН	XEN MID
Soluble	Analysis	300.0		1			17946	01/27/22 17:13	СН	XEN MID

Eurofins Carlsbad

Lab Sample ID: 890-1867-8 Matrix: Solid

Lab Chronicle

Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #016

Laboratory References:

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

Job ID: 890-1867-1 SDG: 31403471.004

Eurofins Carlsbad

Accreditation/Certification Summary

Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #016

Laboratory: Eurofins Midland

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

thority	P	rogram	Identification Number	Expiration Date
kas	N	ELAP	T104704400-21-22	06-30-22
The fellowing an alite	are included in this report h	ut the leberatory is not cortif	ied by the governing authority. This list ma	av include enclutes for a
the agency does not c	ffer certification.	,	, , , , ,	
the agency does not of Analysis Method		Matrix	Analyte	
the agency does not c	ffer certification.	,	, , , , ,	

Job ID: 890-1867-1 SDG: 31403471.004

Method Summary

Client: WSP USA Inc. Project/Site: Trinity Burrus Unit #016

Job ID: 890-1867-1 SDG: 31403471.004

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
	"Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third E = TestAmerica Laboratories, Standard Operating Procedure	dition, November 1986 And Its Updates.	
	eferences: = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-544(
		,	

Protocol References:

Laboratory References:

Sample Summary

Job ID: 890-1867-1
SDG: 31403471.004

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1867-1	BH01	Solid	01/24/22 10:39	01/24/22 16:36	0.5
890-1867-2	BH01A	Solid	01/24/22 10:40	01/24/22 16:36	1
890-1867-3	BH02	Solid	01/24/22 10:51	01/24/22 16:36	0.5
890-1867-4	BH02A	Solid	01/24/22 10:52	01/24/22 16:36	1
890-1867-5	BH03	Solid	01/24/22 10:57	01/24/22 16:36	0.5
390-1867-6	BH03A	Solid	01/24/22 10:58	01/24/22 16:36	1
390-1867-7	BH04	Solid	01/24/22 11:00	01/24/22 16:36	0.5
390-1867-8	BH04A	Solid	01/24/22 11:04	01/24/22 16:36	1
390-1867-9	BH05	Solid	01/24/22 11:12	01/24/22 16:36	0.5
90-1867-10	BH05A	Solid	01/24/22 11:13	01/24/22 16:36	I

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)						S	lain	9	Cus	Chain of Custody		Work Order No:	No:
XI	MZCO	U		Houston, T Midland,	ΓX (281) 240-42 ,TX (432-704-54	100 Dalla	is,TX (2 Paso,TX	14) 902- ((915)58	0300 Sa 35-3443	Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296			-
			Hobbs,	VM (575-392-7	Rill to: /if different)	AZ (480-	060-998	U) Atlan	ita, GA (7	Hobbs, NM (575-392-7550) Phoenix, A2 (480-355-0900) Atlanta, GA (770-449-6000) Tampa, r.c. (613-620-2000)	020-2000)	Work Order (Work Order Comments
Company Name:	WSP USA Inc., Permian office	ermian	office		Company Name	me:					Program: UST/PST		□rownfields IPC 10 perfund
	3300 North A St. Bldg 1, Unit 222	Bldg 1, l	Jnit 222		Address:						State of Project:	NM	
City, State ZIP: N	Midland, TX 79705	ŭ			City, State ZIP:		Carlsbad, NM	id, NM			Reporting:Level II	evel III	ST L
Phone: ((432) 704-5178			Email:	travis.casey	@wsp.	com, k	alei.jei	nings (Email: <u>travis.casey@wsp.com, kalei.jennings@wsp.com, dan.moir@w</u>	Deliverables: EDD	EDD ADaPT	Other:
Project Name:	Trinity B	Trinity Burrus Unit #016	nit #016	Tu	Turn Around					ANALYSIS REQUEST	EST		Work Order Notes
Project Number:	3140	31403471.004	4	Routine	ne X								IN: NGRL1313056354
P.O. Number:				Rush:					-				CC:
Sampler's Name:	Travis Casey			Due Date:	Date:								API: 30-025-36251
SAMPLE RECEIPT		Temp _i Blank:	res No	Wet Ice:	No (ex								
Temperature (°C):	1.0 /	1.6		Thermometer ID		ners))				
Received Intact:	(Tes N	S	T-VA-	20)		ntai)	1)	300.0	890-1867 Chain of Custody	Custody		
Cooler Custody Seals:		3	Corre	Correction Factor:	10.7	f Co	015	802	PAS	-	_	-	TAT starts the day recevied by the
Sample Custody Seals:	s: Yes No	N/A	i otal	i otal Containers:		erc	PA	(EP/	de (f				
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Numb	TPH (E	BTEX	Chlori				Sample Comments
BH01		S	1/24/2022	10:39	0.5	-	×	×	×				Composite
BH01A	Þ	S	1/2\$/2022	10:40	1	1	×	×	×				Composite
BH02		_	1/26/2022	10:51	0.5	-1	×	×	×				Composite
BH02A	A	S	1/27/2022	10:52	1		×	×	×				Composite
BH03		S	1/2/2022	10:57	0.5		×	×	×				Composite
BH03A	A	S	1/29/2022	10:58	1	-	×	×	×		-		Composite
BH04		S	1/30/2022	11:00	0.5	-	×	×	×				Composite
BH04A	A	S	1/31/2022	11:04	1		×	×	×				Composite
BH05		S	2/1/2022	11:12	0.5	-	×	×	×				Composite
BH05A	A	S	2/2/2022	11:13			×	×	×				Composite
Total 200.7 / 6010 Circle Method(s) &	otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	20: > be ana	8P	8RCRA 13PPM TCLP / SPLP (Texas 3010: 8		Sb As Sb As	Ba Ba	Be B C Be Cd	B Cd Ca Cr Co Cu Fe Pt Cd Cr Co Cu Pb Mn Mo	tu Fe Pb Mg Mn Mo Ni Mn Mo Ni Se Ag Tl U	i K Se Ag SiO2	Na Sr TI Sn U V Zn 1631/245.1/7470/7471:Hg
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase or of service. Xenco will be liable only for the cost of samples and shall not assume any responsibili of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each	ocument and relinquis able only for the cost c ge of \$75.00 will be ap	hment of sa of samples plied to eac	imples constitu and shall not as sh project and a	tes a valid purc ssume any resp a charge of \$5 fr	chase order from consibility for any or each sample s	client co y losses c submitted	mpany to pr expens to Xence	o Xenco, ses incur o, but no	its affiliat red by the t analyzed	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	 It assigns standard terms and condit are due to circumstances beyond the c enforced unless previously negotiated. 	rd conditions nd the control potiated.	
Relinquished by: (Signature)	(Signature)		Received b	Received by: (Signature)	re)		Date/Time	ime		Relinquished by: (Signature)	ture)	Received by: (Signature)	iture) Date/Time
	6	Z	XLi	A		1/2	(p)		4:362				
3	N	0				-			4				
G									0		-		Revised Date 051418 Rev. 2018

Page 56 of 83

13

1089 N Canal St. **Eurofins Carlsbad**

Chain of Custody Record

13

Seurofins Environment Testing

Carlsbad NM 88220 Phone: 575-988-3199 Fax 575-988-3199					ecol	G				=											Am	America
Client Information (Sub Contract Lab)	Sampler [.]			Lab PM ⁻ Kramer	Lab PM [.] Kramer, Jessica	sica						Carri	Carrier Tracking No(s)	sking	No(s)				<u>8</u> 2	COC No ⁻ 890-600 1		
ntact: g/Receiving	Phone:			E-Mail jessic	E-Mail jessica.kramer@eurofinset.com	er@e	Jrofin	set.cc	Ξ			State New	State of Origin: New Mexico	<u> ĝ</u>					তু তু	Page. Page 1 of 2		
Company Eurofins Environment Testing South Centr					Accreditations Required (See note): NELAP - Louisiana, NELAP	- Lou	equired Isiana	(See I	<u>ہ</u> ہ	Texas	ĭ.	ſ							<u>क्र</u> ह	Job # 890-1867-1		
Address 1211 W Florida Ave, ,	Due Date Requested 1/28/2022	ă						▶	7	vsis	Requested	IAS	a l						-	Preservation Codes	Ň	
City Midland	TAT Requested (days):	iys):																<i>WG</i>	MARGA	HCL NaOH	zz	M - Hexane N None
State Zip: TX, 79701	L				• •														mσc	211 Acetate Nitric Acid NaHSO4	o P C	AsnaUz Na2O4S Na2SO3
Phone 432-704-5440(Tel)	PO #:																	7880		MeOH Amchlor	ง R - H 7	R Na2S2O3 S - H2SO4
Email	WO #:						niona											K.S		Ascorbic Acid Ice NI Water	<	T TSP Dodecahydrate U - Acetone
Project Name. Trinity Burger 1 Init 4046	Project #:																	iners	- 7	EDTA	v ₹ ·	W - pH 4-5
Site	SSOM#:																	onta	10 10 10 10			
					100000000000000000000000000000000000000				;									ofco		Otner.		
			Sample Type	Matrix (w=water	litered m MS/M	OD_NM/	5035FP_	STEX_G	DD_Calc									lumber				
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	2 9	O=waste/oll, BT=Tjssue, A=Air)					BO16M									Fotal		Snecial Inc		Special Instructions/Note:
	X	X	Preservation Code.	ion Code;	XX								1	<i>W</i>		10		\mathbf{v}	\sim		I	
BH01 (890-1867-1)	1/24/22	10 39 Mountain		Solid		×	x x	×	×									-				
BH01A (890-1867-2)	1/24/22	10 40 Mountain		Solid		×	××	×	×							\neg		<u>_</u>				
BH02 (890-1867-3)	1/24/22	10 51 Mountain		Solid		×	× ×	×	×							_			<u></u>			
BH02A (890-1867-4)	1/24/22	10 52 Mountain		Solid		×	×	×	×						T							
BH03 (890-1867-5)	1/24/22	10 57 Mountain		Solid		×	××	×	×									<u></u>	. Guiden			
BH03A (890-1867-6)	1/24/22	10 58 Mountain		Solid		×	××	×	×										n gal i de Constant			
BH04 (890-1867-7)	1/24/22	11 00 Mountain		Solid		×	××	×	×									4				
BH04A (890-1867-8)	1/24/22	11 04 Mountain		Solid		×	××	×	×										n re 1896 d <i>sacderti</i>			
BH05 (890-1867-9)	1/24/22	11 12 Mountain		Solid		×	××	×	×										7 Na star Vennen di Goodie			
Note Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC attention immediately.	nt Testing South Centr pove for analysis/tests/ ntral, LLC attention im	al LLC places t matrix being ar mediately If al	the ownership c halyzed, the sai Il requested acc	of method ana mples must be creditations are	yte & acc shipped t current te	reditatic back to t b date	n comp he Eur eturn t	oliance ofins E he sign	upon nviron led Ch	nent 1 ain of	bcont restin Custo	act la 3 Sour dy att	boratc h Cer h tring	ries Itral L to sai	This : LC la	samp borat	le shi ory o	pmei o Eu	nt is er ins	forwarded under cha structions will be pro- s Environment Testir	ain-of- vided 1g So	¹ -custody If the ¹ Any changes to with Central LLC
Possible Hazard Identification					San	Sample Disposal (A fee	ispos	ial (/	fee	may	be a	ssee	sed	if sa	Idu	ŝ]ē	etai	ned	may be assessed if samples are retained longer than 1 r	1 month)	th)
Deliverable Requested 1 II III IV, Other (specify)	Primary Deliverable Rank 2	able Rank 2			Spe	Special Instructions/QC Requirements	Return To Client al Instructions/QC	ions/Clie	R R	guin ,	eme	Disposal By Lab nts.	sal E	Y La	ő			A	shiv	Archive For	2	Months
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Custody Seal No

Cooler Temperature(s) °C and Other Remarks.

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Ver 06/08/2021

Eurofins Carlsbad 1089 N Canal St. Carlsbad NM 88220	0	hain o	Chain of Custody Record	tody R	eco	rd												*	🔅 eurofins		Environ	Environment Testing
Client Information (Sub Contract Lab)	Sampler			Lab PM Kramer,		Jessica						Carrier Tracking No(s)	Track	ing No	(s)			800	COC No ⁻ 890-600 2			
	Phone			E-Mail jessic	E-Mail jessica kramer@eurofinset com	ner@	eurofi	nset o	ŏm			State of Origin New Mexico	State of Origin New Mexico	8 -				Page: Page	Page: Page 2 of 2			
Company Eurofins Environment Testing South Centr					Accreditations Required (See note) NELAP - Louisiana NELAP	tations P - Lo	Requin	a (See	LAP	- Texas	as							Job #	Job #: 890-1867-1			
Address 1211 W Florida Ave,	Due Date Requested 1/28/2022	٩							Analvsis Requested	vsis	Re	IIest	a					Pe	Preservation Codes	odes		
City Midland	TAT Requested (days)	ys).																	HCL NaOH	zz	A Hexane	ane e
State, Zip: TX 79701										. <u> </u>				<u></u>			- not start	mσo	Zn Acetate Nitric Acid NaHSO4	ດູວັດ	O AsNaC P Na2O4 Q Na2SC	AsNaO2 Na2O4S Na2SO3
Phone [.] 432-704-5440(Tel)	PO#)***	ſPH	e										ina kundu K	: G 7	F - MeOH G Amchlor		H2S	S203
Email	WO #					p Full '	Chlorid											с — д _ = '	H - ASCORDIC ACIO ICe J DI Water		Acetone	ISP Dodecahydrate Acetone MCAA
Project Name Trinity Burrus Unit #016	Project # [.] 89000048				1000	_S_Pre		EX									tainer		EDTA EDA	N₹	V pH 4-5 other (sp	pH 4-5 other (specify)
Site	SSOW#:					016NM											of con	Other	BL.			
	'	Sample	Sample Type (C=comp,	Matrix (W=water S=solid O=waste/oil,	eld Filtered rform MS/M	15MOD_NM/8	D_ORGFM_28	21B/5035FP_ 	16MOD_Calc								tal Number					
	X	X	Preservation Code:	tion Code:	WHEF , DO	8	-20-02	Service -	waren .		-		the second				XT		opeciai		UCIC	opecial instructions/Note.
BH05A (890-1867-10)	1/24/22	11 13 Mountain		Solid		×	×	×	× ×								4	<u></u>		00000 (A) 100-004		- 1 Charles State - To 2000 ANNO 5000
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																		neuro Santana				
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Note Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC.	nt Testing South Centra bove for analysis/tests/ antral LLC attention im	al LLC places matrix being an mediately If a	the ownership c nalyzed the sar Il requested acc	of method ana mples must be creditations are	lyte & ac shipped current	creditat back to to date	ion cor the E	npliano Irofins the sig	e upor Enviro	r out su nment hain of	Ibcontr Testing Custo	act lab South ly atter	Dratorie Centro ting to	said	is sam labon	ple sh atory c	ipmer or othe	r instr ofins E	warded unde uctions will be Environment 1	r chain provic festing	1-of-cus 1ed. A	stody If the ny changes to Central LLC.
Possible Hazard Identification					Sa	Sample Disposal (A fee	Dispo	sal (A fee	may	bea	sses	ied if	sam	ples	are	etaii)ed h	may be assessed if samples are retained longer that	1	than 1 month)	
Deliverable Requested 1 II III, IV Other (specify)	Primary Deliverable Rank 2	ble Rank 2			а В	Special Instructions/QC R	al Instructions/QC	tions			equirements	ents	1						Ċ.		- HOURING	1010
Empty Kit Relinquished by		Date			Time.			5					Method of Shipment:	of Sh	ipmen							
Relinquished by	Date/Time	~		Company		Received			Ś	Ŗ	3	A	A		Date/Time	ne					Company	γ
Relinquished by	Date/Time			Company		Received	Ver by	4	ł						Date/Time	ne					Company	ηγ
	Date/Time			Company		Receiv	Received by							0	Date/Time	ne.				0	Company	٩v
Custody Seals Intact. Custody Seal No ∆ Yes ∆ No						Coole	Cooler Temperature(s) °C and Other Remarks	erature	(s) °C	and Ot	her Re	narks										Ver: 06/08/2021
																				<	fer uc	7/08/2021

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 1867 List Number: 1 Creator: Olivas, Nathaniel

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").

14

Job Number: 890-1867-1 SDG Number: 31403471.004

List Source: Eurofins Carlsbad

Job Number: 890-1867-1 SDG Number: 31403471.004

List Source: Eurofins Midland

List Creation: 01/26/22 11:25 AM

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 1867 List Number: 2 Creator: Kramer, Jessica

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

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

Received by OCD: 3/22/2022 9:24:13 AM

🛟 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 880-11802-1

Laboratory Sample Delivery Group: 33.2624321, -103.0739899 Client Project/Site: Trinity Bumas A60 Unit #16

For:

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

Attn: Kalei Jennings

RAMER

Authorized for release by: 3/8/2022 12:28:26 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: www.eurofinsus.com/Env

Released to Imaging: 6/21/2022 3:16:06 PM

Laboratory Job ID: 880-11802-1 SDG: 33.2624321, -103.0739899

Table of Contents

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Client Sample Results	5
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QC Sample Results	10
QC Association Summary	14
Lab Chronicle	16
Certification Summary	18
Method Summary	19
Sample Summary	20
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2

Dilution Factor

Detection Limit (DoD/DOE)

Estimated Detection Limit (Dioxin)

Limit of Detection (DoD/DOE)

Method Detection Limit

Minimum Level (Dioxin)

Most Probable Number

Not Calculated

Negative / Absent

Positive / Present Practical Quantitation Limit

Presumptive Quality Control

Method Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

Limit of Quantitation (DoD/DOE)

Decision Level Concentration (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Concentration (Radiochemistry)

Not Detected at the reporting limit (or MDL or EDL if shown)

Minimum Detectable Activity (Radiochemistry)

Page 63 of 83

Job ID: 880-11802-1 SDG: 33.2624321, -103.0739899

Qualifiers

Dil Fac

DL, RA, RE, IN

DL

DLC

EDL

LOD

LOQ

MCL

MDA

MDC

MDL

MPN

MQL

NC

ND

NEG

POS

PQL PRES

QC RER

RL

RPD

TEF

TEQ

TNTC

ML

Quaimers		3
GC VOA		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		5
Qualifier	Qualifier Description	
*1	LCS/LCSD RPD exceeds control limits.	
F1	MS and/or MSD recovery exceeds control limits.	
F2	MS/MSD RPD exceeds control limits	
S1+	Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	8
HPLC/IC		
Qualifier	Qualifier Description	9
U	Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	

Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

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Project/Site: Trinity Bumas A60 Unit #16

4

5

Job ID: 880-11802-1 SDG: 33.2624321, -103.0739899

Job ID: 880-11802-1

Client: WSP USA Inc.

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-11802-1

Receipt

The samples were received on 3/1/2022 8:51 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.2°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: FS01 (880-11802-1) and FS02 (880-11802-2). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Project/Site: Trinity Bumas A60 Unit #16

Client: WSP USA Inc.

Client Sample ID: FS01

Job ID: 880-11802-1 SDG: 33.2624321, -103.0739899

Lab Sample ID: 880-11802-1

Matrix: Solid

5

Date Collected: 02/28/22 12:27 Date Received: 03/01/22 08:51 Sample Depth: 1.5

Method: 8021B - Volatile Organic Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		03/04/22 16:00	03/05/22 00:09	
Toluene	<0.00202	U	0.00202	mg/Kg		03/04/22 16:00	03/05/22 00:09	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		03/04/22 16:00	03/05/22 00:09	
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		03/04/22 16:00	03/05/22 00:09	
o-Xylene	<0.00202	U	0.00202	mg/Kg		03/04/22 16:00	03/05/22 00:09	
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		03/04/22 16:00	03/05/22 00:09	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	104		70 - 130			03/04/22 16:00	03/05/22 00:09	
1,4-Difluorobenzene (Surr)	98		70 - 130			03/04/22 16:00	03/05/22 00:09	
Method: Total BTEX - Total BTEX	Calculation							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00404	U	0.00404	mg/Kg			03/06/22 20:58	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9	mg/Kg			03/03/22 10:15	
Method: 8015B NM - Diesel Rang	e Organice (D	30) (60)						
Analyte	• • •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics			49.9	mg/Kg		03/02/22 15:27	03/03/22 06:19	
(GRO)-C6-C10								
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/02/22 15:27	03/03/22 06:19	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 15:27	03/03/22 06:19	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	131	S1+	70 - 130			03/02/22 15:27	03/03/22 06:19	
o-Terphenyl	135	S1+	70 - 130			03/02/22 15:27	03/03/22 06:19	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	530		4.97	mg/Kg			03/07/22 16:45	1
lient Sample ID: FS02						Lab Sam	ple ID: 880-1	1802-2
ate Collected: 02/28/22 12:31							Matri	ix: Solic
ate Received: 03/01/22 08:51								
ample Depth: 1.5								
Method: 8021B - Volatile Organic	: Compounds (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
		U						

00401 U	0.00401	mg/Kg	03/04/22 16:00	03/05/22 00:30	1
00200 U	0.00200	mg/Kg	03/04/22 16:00	03/05/22 00:30	1
00401 U	0.00401	mg/Kg	03/04/22 16:00	03/05/22 00:30	1
00200 U	0.00200	mg/Kg	03/04/22 16:00	03/05/22 00:30	1
00200 U	0.00200	mg/Kg	03/04/22 16:00	03/05/22 00:30	1
00200 U	0.00200	mg/Kg	03/04/22 16:00	03/05/22 00:30	1
	00200 U 00200 U 00401 U	00200 U 0.00200 00200 U 0.00200 00401 U 0.00401 00200 U 0.00200	D0200 U 0.00200 mg/Kg D0200 U 0.00200 mg/Kg D0401 U 0.00401 mg/Kg D0200 U 0.00200 mg/Kg	D0200 U 0.00200 mg/Kg 03/04/22 16:00 D0200 U 0.00200 mg/Kg 03/04/22 16:00 D0401 U 0.00401 mg/Kg 03/04/22 16:00 D0200 U 0.00200 mg/Kg 03/04/22 16:00 D0200 U 0.00200 mg/Kg 03/04/22 16:00 D0200 U 0.00200 mg/Kg 03/04/22 16:00	OD200 U 0.00200 mg/Kg 03/04/22 16:00 03/05/22 00:30 OD200 U 0.00200 mg/Kg 03/04/22 16:00 03/05/22 00:30 OD401 U 0.00401 mg/Kg 03/04/22 16:00 03/05/22 00:30 OD401 U 0.00401 mg/Kg 03/04/22 16:00 03/05/22 00:30 OD400 U 0.00200 mg/Kg 03/04/22 16:00 03/05/22 00:30

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Client Sample Results

Limits

70 - 130

RL

RL

49.9

RL

49.9

49.9

0.00401

Unit

Unit

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Client: WSP USA Inc. Project/Site: Trinity Bumas A60 Unit #16

Method: Total BTEX - Total BTEX Calculation

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

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

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

Qualifier

%Recovery

< 0.00401

<49.9 U

97

Result Qualifier

Ū

Result Qualifier

Result Qualifier

<49.9 U *1

<49.9 U

Client Sample ID: FS02

Date Collected: 02/28/22 12:31 Date Received: 03/01/22 08:51

Sample Depth: 1.5

1,4-Difluorobenzene (Surr)

Gasoline Range Organics

Diesel Range Organics (Over

Surrogate

Analyte

Analyte

Analyte

(GRO)-C6-C10

C10-C28)

Total TPH

Total BTEX

Job ID: 880-11802-1 SDG: 33.2624321, -103.0739899

Lab Sample ID: 880-11802-2

Analyzed

03/05/22 00:30

Analyzed

03/06/22 20:58

Analyzed

03/03/22 10:15

Analyzed

03/03/22 06:40

03/03/22 06:40

Lab Sample ID: 880-11802-3

Prepared

03/04/22 16:00

Prepared

Prepared

Prepared

03/02/22 15:27

03/02/22 15:27

D

D

D

Matrix: Solid

Dil Fac

Dil Fac

Dil Fac

Dil Fac

Dil Fac

Dil Fac

Matrix: Solid

1

1

5

Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/02/22 15:27	03/03/22 06:40	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	ı
1-Chlorooctane	117		70 - 130			03/02/22 15:27	03/03/22 06:40	
o-Terphenyl	119		70 - 130			03/02/22 15:27	03/03/22 06:40	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	0
Chloride	421		4.98	mg/Kg			03/07/22 16:51	

Client Sample ID: FS03

Date Collected: 02/28/22 13:36 Date Received: 03/01/22 08:51 Sample Depth: 1.5

Method: 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Benzene <0.00202 U 0.00202 mg/Kg 03/04/22 16:00 03/05/22 00:50 Toluene <0.00202 U 0.00202 mg/Kg 03/04/22 16:00 03/05/22 00.20 1 Ethylbenzene <0.00202 U 0.00202 03/04/22 16:00 03/05/22 00:50 mg/Kg 0.00404 03/05/22 00:50 m-Xylene & p-Xylene <0.00404 U 03/04/22 16:00 mg/Kg 1 o-Xylene <0.00202 U 0.00202 mg/Kg 03/04/22 16:00 03/05/22 00:50 Xylenes, Total <0.00404 U 0.00404 mg/Kg 03/04/22 16:00 03/05/22 00:50 1 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analvzed 70 - 130 4-Bromofluorobenzene (Surr) 103 03/04/22 16:00 03/05/22 00.50 1 1,4-Difluorobenzene (Surr) 97 70 - 130 03/04/22 16:00 03/05/22 00:50 1 Method: Total BTEX - Total BTEX Calculation Analvte RL D Result Qualifier Unit Prepared Analvzed Dil Fac Total BTEX < 0.00404 Ū 0.00404 03/06/22 20:58 mg/Kg Method: 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <50.0 U Total TPH 50.0 mg/Kg 03/03/22 10:15 1

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Released to Imaging: 6/21/2022 3:16:06 PM

Job ID: 880-11802-1

Matrix: Solid

SDG: 33.2624321, -103.0739899

Lab Sample ID: 880-11802-3

Lab Sample ID: 880-11802-4

Client Sample Results

Client: WSP USA Inc.
Project/Site: Trinity Bumas A60 Unit #16

Client Sample ID: FS03

Date Collected: 02/28/22 13:36

Date Received: 03/01/22 08:51

Sample Depth: 1.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U *1	50.0	mg/Kg		03/02/22 15:27	03/03/22 07:01	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		03/02/22 15:27	03/03/22 07:01	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/02/22 15:27	03/03/22 07:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130			03/02/22 15:27	03/03/22 07:01	1
o-Terphenyl	111		70 - 130			03/02/22 15:27	03/03/22 07:01	1

method: 500.0 - Anions, ion Chron	alography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	359	4.97	mg/Kg			03/07/22 16:57	1

Client Sample ID: FS04

Date Collected: 02/28/22 12:41 Date Received: 03/01/22 08:51

Sample Depth: 1.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	< 0.00200	U	0.00200	mg/Kg		03/04/22 16:00	03/05/22 01:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/04/22 16:00	03/05/22 01:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/04/22 16:00	03/05/22 01:11	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/04/22 16:00	03/05/22 01:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/04/22 16:00	03/05/22 01:11	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/04/22 16:00	03/05/22 01:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			03/04/22 16:00	03/05/22 01:11	1
1,4-Difluorobenzene (Surr)	98		70 - 130			03/04/22 16:00	03/05/22 01:11	1
	Result <0.00401	Qualifier U	RL 0.00401	Unit mg/Kg	<u> </u>	Prepared	Analyzed 03/06/22 20:58	Dil Fac 1
Total BTEX	<0.00401	U			<u> </u>	Prepared		Dil Fac 1
Total BTEX Method: 8015 NM - Diesel Range	<0.00401	U			<u>D</u> 	Prepared Prepared		
Total BTEX Method: 8015 NM - Diesel Range Analyte	<0.00401	U O) (GC) Qualifier	0.00401	mg/Kg		<u>.</u>	03/06/22 20:58	1
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH	<0.00401 Corganics (DR Result <p>50.0</p>	U O) (GC) Qualifier U	0.00401	mg/Kg Unit		<u>.</u>	03/06/22 20:58 Analyzed	1
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	 <0.00401 Organics (DR Result <50.0 ge Organics (D 	U O) (GC) Qualifier U	0.00401	mg/Kg Unit		<u>.</u>	03/06/22 20:58 Analyzed	1
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte	 <0.00401 Organics (DR Result <50.0 ge Organics (D 	U O) (GC) Qualifier U RO) (GC) Qualifier	0.00401	mg/Kg Unit mg/Kg	D	Prepared	03/06/22 20:58 Analyzed 03/03/22 10:15	1 Dil Fac 1
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics GRO)-C6-C10	 <0.00401 Organics (DR Result <50.0 ge Organics (D Result <50.0 	U Qualifier U RO) (GC) Qualifier U *1	0.00401	mg/Kg Unit mg/Kg Unit	D	Prepared Prepared 03/02/22 15:27	03/06/22 20:58 Analyzed 03/03/22 10:15 Analyzed 03/03/22 07:21	1 Dil Fac 1
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	click of the second state of the second sta	U Qualifier U RO) (GC) Qualifier U *1	0.00401	mg/Kg Unit mg/Kg Unit	D	Prepared	03/06/22 20:58 Analyzed 03/03/22 10:15 Analyzed	1 Dil Fac
otal BTEX Method: 8015 NM - Diesel Range inalyte otal TPH Method: 8015B NM - Diesel Range malyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	 <0.00401 Organics (DR Result <50.0 Result <50.0 <50.0 	U Qualifier U RO) (GC) Qualifier U *1 U	0.00401	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared Prepared 03/02/22 15:27 03/02/22 15:27	03/06/22 20:58 Analyzed 03/03/22 10:15 Analyzed 03/03/22 07:21 03/03/22 07:21	Dil Fac
Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	 <0.00401 Organics (DR Result <50.0 ge Organics (D Result <50.0 	U Qualifier U RO) (GC) Qualifier U *1 U	0.00401	mg/Kg Unit mg/Kg Unit mg/Kg	D	Prepared Prepared 03/02/22 15:27	03/06/22 20:58 Analyzed 03/03/22 10:15 Analyzed 03/03/22 07:21	1 Dil Fac
Analyte Total BTEX Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	 <0.00401 Organics (DR Result <50.0 Result <50.0 <50.0 	U Qualifier U RO) (GC) Qualifier U *1 U U	0.00401	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	D	Prepared Prepared 03/02/22 15:27 03/02/22 15:27	03/06/22 20:58 Analyzed 03/03/22 10:15 Analyzed 03/03/22 07:21 03/03/22 07:21	Dil Fac 1 Dil Fac 1 1

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03/02/22 15:27 03/03/22 07:21

o-Terphenyl

70 - 130

116

		Client	Sample Res	sults					
Client: WSP USA Inc. Project/Site: Trinity Bumas A60 Unit #	16					SDG: 33	Job ID: 880- .2624321, -103.0		
Client Sample ID: FS04 Date Collected: 02/28/22 12:41						Lab San	n <mark>ple ID: 880-1</mark> Matri	1802-4 x: Solid	
Date Received: 03/01/22 08:51 Sample Depth: 1.5									4
Method: 300.0 - Anions, Ion Chrom Analyte		Soluble Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	5
Chloride	395		5.00	mg/Kg		Trepareu	03/07/22 17:03	1	
									8
									9
									13

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					2-1 99		
e:	Т	ot	al	/N	٩		
_							5
							6
							8
							9

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)		5
880-11802-1	FS01	104	98		-
880-11802-2	FS02	102	97		6
880-11802-3	FS03	103	97		
880-11802-4	FS04	107	98		
880-11985-A-1-C MS	Matrix Spike	100	102		
880-11985-A-1-D MSD	Matrix Spike Duplicate	99	101		8
LCS 880-20798/1-A	Lab Control Sample	102	102		
LCSD 880-20798/2-A	Lab Control Sample Dup	99	101		0
MB 880-20668/5-A	Method Blank	104	95		3
MB 880-20798/5-A	Method Blank	97	94		
Surrogate Legend					

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Ma	trix:	Solid	

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-11802-1	FS01	131 S1+	135 S1+
880-11802-2	FS02	117	119
880-11802-3	FS03	108	111
880-11802-4	FS04	113	116
880-11895-A-1-D MS	Matrix Spike	108	101
880-11895-A-1-E MSD	Matrix Spike Duplicate	114	107
LCS 880-20708/2-A	Lab Control Sample	114	105
LCSD 880-20708/3-A	Lab Control Sample Dup	123	114
MB 880-20708/1-A	Method Blank	120	127

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Prep Type: Total/NA

Job ID: 880-11802-1

Prep Type: Total/NA

SDG: 33.2624321, -103.0739899

Method: 8021B - Volatile Organic Compounds (GC)

_ Lab Sample ID: MB 880-20668/	5-A								Client Sa	mple ID: Meth	od Blank
Matrix: Solid										Prep Type:	Total/NA
Analysis Batch: 20854										Prep Bate	
		MB									
Analyte		Qualifier	RL		Unit		D		repared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200		mg/K	-			4/22 07:45	03/04/22 11:31	1
Toluene	<0.00200		0.00200		mg/K				4/22 07:45	03/04/22 11:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/K	ģ		03/0	4/22 07:45	03/04/22 11:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/K	(g		03/0	4/22 07:45	03/04/22 11:31	1
o-Xylene	<0.00200	U	0.00200		mg/K	(g		03/0	4/22 07:45	03/04/22 11:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/K	g		03/0	4/22 07:45	03/04/22 11:31	1
	MB	МВ									
Surrogate	%Recovery	Qualifier	Limits					P	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130					03/0	4/22 07:45	03/04/22 11:31	1
1,4-Difluorobenzene (Surr)	95		70 - 130					03/0	4/22 07:45	03/04/22 11:31	1
- Lab Sample ID: MB 880-20798/	5-A								Client Sa	mple ID: Meth	od Blank
Matrix: Solid										Prep Type:	
Analysis Batch: 20854										Prep Bate	
Analysis Baton. 20004	МВ	мв								Trop But	
Analyte		Qualifier	RL		Unit		D	Р	repared	Analyzed	Dil Fac
Benzene	<0.00200		0.00200			ά	_		3/22 16:00	03/04/22 22:26	1
Toluene	<0.00200		0.00200		mg/K	-			3/22 16:00	03/04/22 22:26	1
Ethylbenzene	<0.00200		0.00200		mg/K	-			3/22 16:00	03/04/22 22:26	1
m-Xylene & p-Xylene	< 0.00400		0.00400		mg/K				3/22 16:00	03/04/22 22:26	· · · · · · · · · · · · · · · · · · ·
o-Xylene	<0.00200		0.00200		mg/K	-			3/22 16:00	03/04/22 22:26	1
Xylenes, Total	<0.00200		0.00200		mg/K	-			3/22 16:00	03/04/22 22:26	1
Ayiches, Totai			0.00400		iiig/N	y		03/0	5/22 10.00	03/04/22 22.20	I
Surrogate	MB %Recovery		Limits					D	repared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130						3/22 16:00	03/04/22 22:26	1
1,4-Difluorobenzene (Surr)	94		70 - 130						3/22 16:00	03/04/22 22:26	1
Lab Sample ID: LCS 880-20798	/1 -A						C	lient	Sample	D: Lab Contro	
Matrix: Solid										Prep Type:	
Analysis Batch: 20854			• "							Prep Bato	n: 20798
			Spike					_	~-	%Rec.	
Analyte			Added		Qualifier	Unit		_ <u>D</u>	%Rec	Limits	
Benzene			0.100	0.1113		mg/Kg			111	70 - 130	
Toluene			0.100	0.1072		mg/Kg			107	70 - 130	
Ethylbenzene			0.100	0.1029		mg/Kg			103	70 - 130	
m-Xylene & p-Xylene			0.200	0.2112		mg/Kg			106	70 - 130	
o-Xylene			0.100	0.1033		mg/Kg			103	70 - 130	
	LCS LCS										
Surrogate	%Recovery Qua	alifier	Limits								
4-Bromofluorobenzene (Surr)	102		70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								
- Lab Sample ID: LCSD 880-2079	8/2-A					CI	ient	t Sam	ple ID: La	ab Control Sar	nple Dup
Matrix: Solid									-	Prep Type:	
Analysis Batch: 20854										Prep Bate	
			Spike	LCSD	LCSD					%Rec.	RPD
Analyte			Added		Qualifier	Unit		D	%Rec	Limits RF	

Job ID: 880-11802-1 SDG: 33.2624321, -103.0739899

k A 8 12

70 - 130

106

Benzene

0.1057

mg/Kg

0.100

35

Client: WSP USA Inc. Project/Site: Trinity Bumas A60 Unit #16 Job ID: 880-11802-1 SDG: 33.2624321, -103.0739899

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

Matrix: Solid Analysis Batch: 20854 Analyte Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-11985-A-1-C Matrix: Solid Analysis Batch: 20854	%Recovery 99 101	LCSD Qualifier	Spike Added 0.100 0.100 0.200 0.100 0.200 0.100 Description To = 130 To = 120		LCSD Qualifier	Unit mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 101 96 99 97		ype: Tot Batch: RPD 6 7 7 6	
Analyte Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-11985-A-1-C Matrix: Solid	%Recovery 99 101		Added 0.100 0.100 0.200 0.100 Limits 70 - 130	Result 0.1010 0.09622 0.1979		mg/Kg mg/Kg mg/Kg	<u>D</u>	101 96 99	%Rec. Limits 70 - 130 70 - 130 70 - 130	RPD 6 7 7	RPE Limi 38
Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene <i>Surrogate</i> <i>4-Bromofluorobenzene (Surr)</i> <i>1,4-Difluorobenzene (Surr)</i> Lab Sample ID: 880-11985-A-1-C Matrix: Solid	%Recovery 99 101		Added 0.100 0.100 0.200 0.100 Limits 70 - 130	Result 0.1010 0.09622 0.1979		mg/Kg mg/Kg mg/Kg	<u>D</u>	101 96 99	Limits 70 - 130 70 - 130 70 - 130	6 7 7	Limi 3: 3:
Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene <i>Surrogate</i> <i>4-Bromofluorobenzene (Surr)</i> <i>1,4-Difluorobenzene (Surr)</i> Lab Sample ID: 880-11985-A-1-C Matrix: Solid	%Recovery 99 101		0.100 0.100 0.200 0.100 <i>Limits</i> 70 - 130	0.1010 0.09622 0.1979	Qualifier	mg/Kg mg/Kg mg/Kg	<u>D</u>	101 96 99	70 ₋ 130 70 ₋ 130 70 ₋ 130	6 7 7	3
Ethylbenzene m-Xylene & p-Xylene o-Xylene 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-11985-A-1-C Matrix: Solid	%Recovery 99 101		0.100 0.200 0.100 <u>Limits</u> 70 - 130	0.09622 0.1979		mg/Kg mg/Kg		96 99	70 ₋ 130 70 ₋ 130	7 7	3
m-Xylene & p-Xylene o-Xylene <i>Surrogate</i> 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-11985-A-1-C Matrix: Solid	%Recovery 99 101		0.200 0.100 <u>Limits</u> 70 - 130	0.1979		mg/Kg		99	70 - 130	7	
o-Xylene Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-11985-A-1-C Matrix: Solid	%Recovery 99 101		0.100 Limits 70 - 130								3
Surrogate 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-11985-A-1-C Matrix: Solid	%Recovery 99 101		Limits 70 - 130	0.09729		mg/Kg		97	70 - 130	6	
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-11985-A-1-C Matrix: Solid	%Recovery 99 101		70 - 130							U	3
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-11985-A-1-C Matrix: Solid	%Recovery 99 101		70 - 130								
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Lab Sample ID: 880-11985-A-1-C Matrix: Solid	99 101	<u> </u>									
Lab Sample ID: 880-11985-A-1-C Matrix: Solid			70 100								
Matrix: Solid	MS		70 - 130								
Matrix: Solid	SMS										
								Client	Sample ID:		
Analysis Batch: 20854										ype: To	
										Batch:	2079
	•	Sample	Spike		MS				%Rec.		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00201		0.0998	0.1124		mg/Kg		113	70 - 130		
Toluene	<0.00201		0.0998	0.1082		mg/Kg		108	70 ₋ 130		
Ethylbenzene	<0.00201		0.0998	0.1038		mg/Kg		104	70 - 130		
m-Xylene & p-Xylene	<0.00402		0.200	0.2143		mg/Kg		107	70 - 130		
o-Xylene	<0.00201	U	0.0998	0.1049		mg/Kg		105	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	100		70 - 130								
1,4-Difluorobenzene (Surr)	102		70 - 130								
Lab Cample ID: 890 44095 A 4 5	MCD								Matuix Or	ike Dur	liest
Lab Sample ID: 880-11985-A-1-D Matrix: Solid							ent Sa	ampie iL	: Matrix Sp	ype: To	
Analysis Batch: 20854	Sample	Sample	Spike	MSD	MSD				%Rec.	Batch:	ZU75 RPI
Analyte	•	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Benzene	<0.00201		0.0996	0.1039		mg/Kg		104	70 - 130		3
Toluene	<0.00201		0.0996	0.09983		mg/Kg		100	70 - 130	8	3
Ethylbenzene	<0.00201		0.0996	0.09542		mg/Kg		96	70 - 130 70 - 130	8	3
m-Xylene & p-Xylene	<0.00201		0.199	0.1967		mg/Kg		99	70 - 130	9	3
o-Xylene	<0.00402		0.0996	0.09678		mg/Kg		99 97	70 - 130 70 - 130	8	3
	0.00201	0	0.0000	0.00010		mgring		01	10 - 100	Ũ	0
		MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								
lethod: 8015B NM - Diesel	Rango O	ragnics (F									

Matrix: Solid Prep Type: Total/NA Prep Batch: 20708 Analysis Batch: 20650 MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 03/02/22 15:27 03/03/22 03:56 1

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(GRO)-C6-C10

Client: WSP USA Inc. Project/Site: Trinity Bumas A60 Unit #16

Job ID: 880-11802-1 SDG: 33.2624321. -103.0739899

roject/Site: Trinity Bumas A60 Un											
lethod: 8015B NM - Diesel	Range Org	janics (DF	RO) (GC) (Co	ntinue	d)						
Lab Sample ID: MB 880-20708/1 Matrix: Solid	-A							Client S	ample ID: N Prep Ty		
Analysis Batch: 20650										Batch:	
	1	МВ МВ									
Analyte	Res	ult Qualifier	RL		Unit		D P	repared	Analyze	d	Dil Fac
Diesel Range Organics (Over	<5	0.0 U	50.0		mg/Kg	9	03/0)2/22 15:27			
C10-C28)					0	5					
Oll Range Organics (Over C28-C36)	<5	0.0 U	50.0		mg/Kg	9	03/0	2/22 15:27	03/03/22 0	3:56	1
0		MB MB	1						A	-	D# C-
Surrogate		ery Qualifier	<i>Limits</i>					Prepared	Analyze		Dil Fac
1-Chlorooctane		120	70 - 130)2/22 15:27			1
p-Terphenyl	1	127	70 - 130				03/0)2/22 15:27	03/03/22 0	3:56	1
Lab Sample ID: LCS 880-20708/	2-A						Client	t Sample	ID: Lab Co		
Matrix: Solid									Prep Ty	-	
Analysis Batch: 20650										Batch:	20708
			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics			1000	911.8		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	950.5		mg/Kg		95	70 - 130		
		CC									
	LCS I										
Surrogate	LCS L %Recovery (Limits								
			Limits 70 - 130								
Surrogate	%Recovery										
1-Chlorooctane o-Terphenyl	%Recovery 0 114 105		70 - 130			Clie	ent Sam	nple ID: I	_ab Control	Sampl	e Dup
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070	%Recovery 0 114 105		70 - 130			Clie	ent Sam	nple ID: I	_ab Control Pren Ti	-	
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid	%Recovery 0 114 105		70 - 130			Clie	ent Sam	nple ID: I	Prep Ty	pe: To	tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070	%Recovery 0 114 105		70 - 130 70 - 130		LCSD	Clie	ent Sam	ıple ID: I	Prep Ty Prep	-	tal/NA 20708
I-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650	%Recovery 0 114 105		70 - 130 70 - 130 Spike	LCSD				-	Prep Ty Prep %Rec.	vpe: To Batch:	tal/NA 20708 RPD
I-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte	%Recovery 0 114 105		70 - 130 70 - 130 Spike Added	Result	Qualifier	Unit	ent Sam	%Rec	Prep Ty Prep %Rec. Limits	RPD	tal/NA 20708 RPD Limit
I-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics	%Recovery 0 114 105		70 - 130 70 - 130 Spike		Qualifier			-	Prep Ty Prep %Rec.	vpe: To Batch:	tal/NA 20708 RPD
I-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics GRO)-C6-C10	%Recovery 0 114 105		70 - 130 70 - 130 Spike Added 1000	Result 1167	Qualifier	Unit mg/Kg		%Rec 117	Prep Ty Prep %Rec. Limits 70 - 130	rpe: To Batch: RPD 25	tal/NA 20708 RPD Limit
1-Chlorooctane p-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 0 114 105		70 - 130 70 - 130 Spike Added	Result	Qualifier	Unit		%Rec	Prep Ty Prep %Rec. Limits	RPD	tal/NA 20708 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid	%Recovery 0 114 105	Qualifier	70 - 130 70 - 130 Spike Added 1000	Result 1167	Qualifier	Unit mg/Kg		%Rec 117	Prep Ty Prep %Rec. Limits 70 - 130	rpe: To Batch: RPD 25	tal/NA 20708 RPD Limit
I-Chlorooctane p-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Basoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	%Recovery 0 114 105 8/3-A	Qualifier	70 - 130 70 - 130 Spike Added 1000	Result 1167	Qualifier	Unit mg/Kg		%Rec 117	Prep Ty Prep %Rec. Limits 70 - 130	rpe: To Batch: RPD 25	tal/NA 20708 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<u>%Recovery</u> 0 114 105 8/3-A	Qualifier	70 - 130 70 - 130 Spike Added 1000	Result 1167	Qualifier	Unit mg/Kg		%Rec 117	Prep Ty Prep %Rec. Limits 70 - 130	rpe: To Batch: RPD 25	tal/NA 20708 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	%Recovery (114 105 8/3-A LCSD [%Recovery (Qualifier	70 - 130 70 - 130 Spike Added 1000 1000	Result 1167	Qualifier	Unit mg/Kg		%Rec 117	Prep Ty Prep %Rec. Limits 70 - 130	rpe: To Batch: RPD 25	tal/NA 20708 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	%Recovery 0 114 105 8/3-A 8/3-A kcsp 10 %Recovery 0 123 114	Qualifier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1167	Qualifier	Unit mg/Kg		%Rec 117 100	Prep Ty Prep %Rec. Limits 70 - 130	rpe: To Batch: RPD 25 5	tal/NA 20708 RPD Limit 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	%Recovery 0 114 105 8/3-A 8/3-A kcsp 10 %Recovery 0 123 114	Qualifier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1167	Qualifier	Unit mg/Kg		%Rec 117 100	Prep Ty %Rec. Limits 70 - 130 70 - 130	RPD 25 5 Matrix	tal/NA 20708 RPD Limit 20 20 Spike
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-11895-A-1-E Matrix: Solid	%Recovery 0 114 105 8/3-A 8/3-A kcsp 10 %Recovery 0 123 114	Qualifier	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1167	Qualifier	Unit mg/Kg		%Rec 117 100	Prep Ty %Rec. Limits 70 - 130 70 - 130 Sample ID: Prep Ty	Appe: To Batch: RPD 25 5 5 Matrix ype: To	tal/NA 20708 RPD Limit 20 20 Spike tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-11895-A-1-E	%Recovery 0 114 105 8/3-A 4 %Recovery 0 %Recovery 123 114 114 0 MS	Qualifier	70 - 130 70 - 130 Spike Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130	Result 1167	Qualifier *1	Unit mg/Kg		%Rec 117 100	Prep Ty %Rec. Limits 70 - 130 70 - 130 Sample ID: Prep Ty	RPD 25 5 Matrix	tal/NA 20708 RPD Limit 20 20 Spike tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-11895-A-1-E Matrix: Solid Analysis Batch: 20650	%Recovery 0 114 105 8/3-A 8/3-A kcsp 10 %Recovery 0 123 114	Qualifier .	70 - 130 70 - 130 Spike Added 1000 1000 Limits 70 - 130	Result 1167 1002 MS	Qualifier *1	Unit mg/Kg		%Rec 117 100	Prep Ty Prep % %Rec. Limits 70 - 130 70 - 130 70 - 130 Sample ID: Prep Ty Prep 1	Appe: To Batch: RPD 25 5 5 Matrix ype: To	tal/NA 20708 RPD Limit 20 20 Spike tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-11895-A-1-I Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics	%Recovery 0 114 105 8/3-A 8/3-A %Recovery 0 %Recovery 0 123 114 DMS Sample Sample 5 <	Qualifier	70 - 130 70 - 130 Spike Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130	Result 1167 1002 MS	Qualifier *1 MS Qualifier	Unit mg/Kg mg/Kg	<u>D</u>	%Rec 117 100	Prep Ty Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - Prep Ty Prep Ty Prep %Rec.	Appe: To Batch: RPD 25 5 5 Matrix ype: To	tal/NA 20708 RPD Limit 20 20 Spike tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-11895-A-1-I Matrix: Solid Analysis Batch: 20650 Analyte	%Recovery 0 114 105 8/3-A 8/3-A %Recovery 0 %Recovery 0 123 114 DMS Sample Sample 5 <	Qualifier	70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 1000 1000 5pike 70 - 130 70 - 130 70 - 130 Spike Added	Result 1167 1002 MS Result	Qualifier *1 MS Qualifier U F1	Unit mg/Kg mg/Kg	<u>D</u>	%Rec 117 100 Client	Prep Ty Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 %Rec. Limits	Appe: To Batch: RPD 25 5 5 Matrix ype: To	tal/NA 20708 RPD Limit 20 20 Spike tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-11895-A-1-E Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 0 114 105 8/3-A 8/3-A %Recovery 0 %Recovery 0 123 114 DMS Sample Sample 5 <50.0	Qualifier CCSD Qualifier Qualifier J *1 F1 	70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 1000 Spike Added 1000 1000 1000 Limits 70 - 130 70 - 130 70 - 130 1000	Result 1167 1002 MS Result <50.0	Qualifier *1 MS Qualifier U F1	Unit mg/Kg mg/Kg Unit mg/Kg	<u>D</u>	%Rec 117 100 Client %Rec -0.4	Prep Ty Prep I %Rec. Limits 70 - 130 70 - 130 70 - 130 %Rec. Prep Ty %Rec. Limits 70 - 130	Appe: To Batch: RPD 25 5 5 Matrix ype: To	tal/NA 20708 RPD Limit 20 20 Spike tal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-11895-A-1-E Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 0 114 105 8/3-A 4 %Recovery 0 %Recovery 0 123 114 DMS 8 Sample 8 <50.0	Qualifier	70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 1000 Spike Added 1000 1000 1000 Limits 70 - 130 70 - 130 70 - 130 1000	Result 1167 1002 MS Result <50.0	Qualifier *1 MS Qualifier U F1	Unit mg/Kg mg/Kg Unit mg/Kg	<u>D</u>	%Rec 117 100 Client %Rec -0.4	Prep Ty Prep I %Rec. Limits 70 - 130 70 - 130 70 - 130 %Rec. Prep Ty %Rec. Limits 70 - 130	Appe: To Batch: RPD 25 5 5 Matrix ype: To	tal/NA 20708 RPD Limit 20 20 Spike tal/NA
1-Chlorooctane p-Terphenyl Lab Sample ID: LCSD 880-2070 Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 880-11895-A-1-E Matrix: Solid Analysis Batch: 20650 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	%Recovery 4 114 105 8/3-A 4 %Recovery 4 %Recovery 4 %Recovery 4 123 114 DMS 8 Sample 8 <50.0	Qualifier	70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 Spike Added 1000 1000 1000 Added 1000 1000 1000 1000	Result 1167 1002 MS Result <50.0	Qualifier *1 MS Qualifier U F1	Unit mg/Kg mg/Kg Unit mg/Kg	<u>D</u>	%Rec 117 100 Client %Rec -0.4	Prep Ty Prep I %Rec. Limits 70 - 130 70 - 130 70 - 130 %Rec. Prep Ty %Rec. Limits 70 - 130	Appe: To Batch: RPD 25 5 5 Matrix ype: To	tal/NA 20708 RPD Limit 20 20 Spike tal/NA

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Released to Imaging: 6/21/2022 3:16:06 PM

Client: WSP USA Inc. Project/Site: Trinity Bumas A60 Unit #16 Job ID: 880-11802-1 SDG: 33.2624321, -103.0739899

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

Matrix: Solid							ient Sa		Pren 1	Гуре: То	tal/N/
Analysis Batch: 20650										Batch:	
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPI
Analyte	-	Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Gasoline Range Organics		U *1 F1	998		U F1 F2	mg/Kg		0.2	70 - 130	31	2
(GRO)-C6-C10		F2									
Diesel Range Organics (Over C10-C28)	<50.0	U F1	998	<49.9	U F1	mg/Kg		0	70 - 130	NC	2
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	114		70 - 130								
o-Terphenyl	107		70 - 130								
lethod: 300.0 - Anions, Lab Sample ID: MB 880-205 Matrix: Solid Analysis Batch: 20893								Client S	ample ID: Prep	Method Type: S	
	_	MB MB								_	
Analyte		esult Qualifier		RL	Unit		<u>р</u>	repared	Analyz		Dil Fa
Chloride	<	<5.00 U	5.0	00	mg/K	g			03/07/22	14:27	
	588/2-A						Client	Sample	ID: Lab Co Prep	ontrol S Type: S	
Matrix: Solid Analysis Batch: 20893	588/2-A		Spike		LCS	11-14			Prep %Rec.		
Matrix: Solid Analysis Batch: 20893 ^{Analyte}	588/2-A		Added	Result	LCS Qualifier	Unit ma/Ka	Client	%Rec	Prep %Rec. Limits		
Matrix: Solid Analysis Batch: 20893 ^{Analyte}	588/2-A 		-			Unit mg/Kg			Prep %Rec.		
Matrix: Solid Analysis Batch: 20893 Analyte Chloride			Added	Result		mg/Kg	D	%Rec	Prep %Rec. Limits	Type: S	olub
Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: LCSD 880-2			Added	Result		mg/Kg	D	%Rec	Prep %Rec. Limits 90 - 110	Type: S	olub
Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid			Added	Result		mg/Kg	D	%Rec	Prep %Rec. Limits 90 - 110	Type: S ol Sampl	olub
Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid			Added	Result 268.8		mg/Kg	D	%Rec	Prep %Rec. Limits 90 - 110	Type: S ol Sampl	olub le Du olub
Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 20893			Added250	Result 268.8	Qualifier	mg/Kg	D	%Rec	Prep %Rec. Limits 90 - 110 Lab Contro Prep	Type: S ol Sampl	olub le Du olub Ri
Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 20893 Analyte			Added 250	Result 268.8	Qualifier	mg/Kg	D_ nt Sam	%Rec 108	Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec.	Type: S	e Du olub olub Ri Lir
Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: 880-11799-A Matrix: Solid	0588/3-A		Added 250 Spike Added	Result 268.8 LCSD Result	Qualifier	mg/Kg Cliet	D_ nt Sam	%Rec 108 pple ID: 1 %Rec 95	Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID	Type: S DI Sampl Type: S <u>RPD</u> 12	e Du e Du olub Ri Lir Spil
Lab Sample ID: LCS 880-209 Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: 880-11799-A Matrix: Solid Analysis Batch: 20893	0588/3-A		Added 250 Spike Added 250	Result 268.8 LCSD Result 238.7	Qualifier LCSD Qualifier	mg/Kg Cliet	D_ nt Sam	%Rec 108 pple ID: 1 %Rec 95	Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID Prep	Type: S ol Sampl Type: S <u></u> 12 : Matrix	e Du e Du olub Rf Lin Spil
Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: 880-11799-A Matrix: Solid Analysis Batch: 20893	0588/3-A 52-E MS Sample	Sample	Added 250 Spike Added 250 Spike	Result 268.8 LCSD Result 238.7 MS	Qualifier LCSD Qualifier MS	mg/Kg Clier Unit mg/Kg	D_ nt Sam D_	%Rec 108 ple ID: I %Rec 95 Client	Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID Prep %Rec.	Type: S ol Sampl Type: S <u></u> 12 : Matrix	olub le Du olub RF Lin Spił
Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: 880-11799-A Matrix: Solid Analysis Batch: 20893 Analyte	0588/3-A 52-E MS Sample Result	Sample Qualifier	Added 250 Spike Added 250 Spike Added	Result 268.8 LCSD Result 238.7 MS Result	Qualifier LCSD Qualifier	mg/Kg Clier Unit mg/Kg	D_ nt Sam	%Rec 108 ple ID: I %Rec 95 Client %Rec	Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID Prep %Rec. Limits	Type: S ol Sampl Type: S <u></u> 12 : Matrix	e Du e Du olub Rf Lin Spil
Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: 880-11799-A Matrix: Solid Analysis Batch: 20893 Analyte	0588/3-A 52-E MS Sample	-	Added 250 Spike Added 250 Spike	Result 268.8 LCSD Result 238.7 MS	Qualifier LCSD Qualifier MS	mg/Kg Clier Unit mg/Kg	D_ nt Sam D_	%Rec 108 ple ID: I %Rec 95 Client	Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID Prep %Rec.	Type: S ol Sampl Type: S <u></u> 12 : Matrix	e Du e Du oluk Ri Lir Spil
Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: 880-11799-A Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: 880-11799-A Matrix: Solid	0588/3-A A-52-E MS Sample Result 433	-	Added 250 Spike Added 250 Spike Added	Result 268.8 LCSD Result 238.7 MS Result	Qualifier LCSD Qualifier MS	Unit Unit mg/Kg	D nt Sam D	%Rec 108 mple ID: I %Rec 95 Client %Rec 98	Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID Prep %Rec. Limits 90 - 110	Type: S OI Sampl Type: S RPD 12 : Matrix Type: S	oluk e Du oluk Lin Spil oluk
Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: 880-11799-A Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: 880-11799-A Matrix: Solid	0588/3-A -52-E MS Sample Result 433 -52-F MSD	Qualifier	Added 250 Spike Added 250 Spike Added 249	Result 268.8 LCSD Result 238.7 MS Result 677.0	Qualifier LCSD Qualifier MS Qualifier	Unit Unit mg/Kg	D nt Sam D	%Rec 108 mple ID: I %Rec 95 Client %Rec 98	Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID Prep %Rec. Limits 90 - 110 0: Matrix Sp Prep	Type: S ol Sampl Type: S <u> RPD 12 </u> : Matrix Type: S 	olub e Du olub Lir Spil olub olub
Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: LCSD 880-2 Matrix: Solid Analysis Batch: 20893 Analyte Chloride Lab Sample ID: 880-11799-A Matrix: Solid	0588/3-A 52-E MS Sample Result 433 52-F MSD Sample	-	Added 250 Spike Added 250 Spike Added	Result 268.8 LCSD Result 238.7 MS Result 677.0	Qualifier LCSD Qualifier MS	Unit Unit mg/Kg	D nt Sam D	%Rec 108 mple ID: I %Rec 95 Client %Rec 98	Prep %Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Sample ID Prep %Rec. Limits 90 - 110	Type: S ol Sampl Type: S <u> RPD 12 </u> : Matrix Type: S 	olub le Du olub Lin Spil olub

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Client: WSP USA Inc. Project/Site: Trinity Bumas A60 Unit #16

Job ID: 880-11802-1 SDG: 33.2624321, -103.0739899

GC VOA

Prep Batch: 20668

GC VOA					
Prep Batch: 20668					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20668/5-A	Method Blank	Total/NA	Solid	5035	
Prep Batch: 20798					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-11802-1	FS01	Total/NA	Solid	5035	
880-11802-2	FS02	Total/NA	Solid	5035	
880-11802-3	FS03	Total/NA	Solid	5035	
880-11802-4	FS04	Total/NA	Solid	5035	
MB 880-20798/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20798/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20798/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11985-A-1-C MS	Matrix Spike	Total/NA	Solid	5035	
880-11985-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	
Analysis Batch: 20854					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11802-1	FS01	Total/NA	Solid	8021B	20798
880-11802-2	FS02	Total/NA	Solid	8021B	20798
880-11802-3	FS03	Total/NA	Solid	8021B	20798
880-11802-4	FS04	Total/NA	Solid	8021B	20798
MB 880-20668/5-4	Method Blank	Total/NA	Solid	8021B	20668

Analysis Batch: 20854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11802-1	FS01	Total/NA	Solid	8021B	20798
880-11802-2	FS02	Total/NA	Solid	8021B	20798
880-11802-3	FS03	Total/NA	Solid	8021B	20798
880-11802-4	FS04	Total/NA	Solid	8021B	20798
MB 880-20668/5-A	Method Blank	Total/NA	Solid	8021B	20668
MB 880-20798/5-A	Method Blank	Total/NA	Solid	8021B	20798
LCS 880-20798/1-A	Lab Control Sample	Total/NA	Solid	8021B	20798
LCSD 880-20798/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20798
880-11985-A-1-C MS	Matrix Spike	Total/NA	Solid	8021B	20798
880-11985-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20798

Analysis Batch: 20995

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
880-11802-1	FS01	Total/NA	Solid	Total BTEX	
880-11802-2	FS02	Total/NA	Solid	Total BTEX	
880-11802-3	FS03	Total/NA	Solid	Total BTEX	
880-11802-4	FS04	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11802-1	FS01	Total/NA	Solid	8015B NM	20708
880-11802-2	FS02	Total/NA	Solid	8015B NM	20708
880-11802-3	FS03	Total/NA	Solid	8015B NM	20708
880-11802-4	FS04	Total/NA	Solid	8015B NM	20708
MB 880-20708/1-A	Method Blank	Total/NA	Solid	8015B NM	20708
LCS 880-20708/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20708
LCSD 880-20708/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20708
880-11895-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	20708
880-11895-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20708
Prep Batch: 20708					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11802-1	FS01	Total/NA	Solid	8015NM Prep	

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GC Semi VOA (Continued)

Prep Batch: 20708 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11802-2	FS02	Total/NA	Solid	8015NM Prep	
880-11802-3	FS03	Total/NA	Solid	8015NM Prep	
880-11802-4	FS04	Total/NA	Solid	8015NM Prep	
MB 880-20708/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20708/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20708/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11895-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11895-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	
Analysis Batch: 20794					

Lab Sample ID 880-11802-1	Client Sample ID FS01	Prep Type Total/NA	Matrix Solid	Method 8015 NM	Prep Batch
880-11802-2	FS02	Total/NA	Solid	8015 NM	
880-11802-3	FS03	Total/NA	Solid	8015 NM	
880-11802-4	FS04	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11802-1	FS01	Soluble	Solid	DI Leach	
880-11802-2	FS02	Soluble	Solid	DI Leach	
380-11802-3	FS03	Soluble	Solid	DI Leach	
380-11802-4	FS04	Soluble	Solid	DI Leach	
/IB 880-20588/1-A	Method Blank	Soluble	Solid	DI Leach	
_CS 880-20588/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
_CSD 880-20588/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
380-11799-A-52-E MS	Matrix Spike	Soluble	Solid	DI Leach	
380-11799-A-52-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 20893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11802-1	FS01	Soluble	Solid	300.0	20588
880-11802-2	FS02	Soluble	Solid	300.0	20588
880-11802-3	FS03	Soluble	Solid	300.0	20588
880-11802-4	FS04	Soluble	Solid	300.0	20588
MB 880-20588/1-A	Method Blank	Soluble	Solid	300.0	20588
LCS 880-20588/2-A	Lab Control Sample	Soluble	Solid	300.0	20588
LCSD 880-20588/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20588
880-11799-A-52-E MS	Matrix Spike	Soluble	Solid	300.0	20588
880-11799-A-52-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	20588

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Job ID: 880-11802-1

SDG: 33.2624321, -103.0739899

Project/Site: Trinity Bumas A60 Unit #16

Job ID: 880-11802-1 SDG: 33.2624321, -103.0739899

Lab Sample ID: 880-11802-1 Matrix: Solid

Date Collected: 02/28/22 12:27 Date Received: 03/01/22 08:51

Client Sample ID: FS01

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			4.95 g	5 mL	20798	03/04/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20854	03/05/22 00:09	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20995	03/06/22 20:58	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20794	03/03/22 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20708	03/02/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20650	03/03/22 06:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	20588	03/01/22 09:46	SC	XEN MID
Soluble	Analysis	300.0		1			20893	03/07/22 16:45	СН	XEN MID

Client Sample ID: FS02

Date Collected: 02/28/22 12:31 Date Received: 03/01/22 08:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	20798	03/04/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20854	03/05/22 00:30	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20995	03/06/22 20:58	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20794	03/03/22 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20708	03/02/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20650	03/03/22 06:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	20588	03/01/22 09:46	SC	XEN MID
Soluble	Analysis	300.0		1			20893	03/07/22 16:51	СН	XEN MID

Client Sample ID: FS03

Date Collected: 02/28/22 13:36 Date Received: 03/01/22 08:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	20798	03/04/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20854	03/05/22 00:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20995	03/06/22 20:58	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20794	03/03/22 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20708	03/02/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20650	03/03/22 07:01	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	20588	03/01/22 09:46	SC	XEN MID
Soluble	Analysis	300.0		1			20893	03/07/22 16:57	СН	XEN MID

Client Sample ID: FS04 Date Collected: 02/28/22 12:41 Date Received: 03/01/22 08:51

	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	20798	03/04/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20854	03/05/22 01:11	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20995	03/06/22 20:58	AJ	XEN MID

Eurofins Midland

Matrix: Solid

)2-1 1899 1**2-1**

Lab Sample ID: 880-11802-2 Matrix: Solid

Lab Sample ID: 880-11802-3

Lab Sample ID: 880-11802-4

Matrix: Solid

trix: Solid

Client: WSP USA Inc. Project/Site: Trinity Bumas A60 Unit #16

Client Sample ID: FS04

Date Collected: 02/28/22 12:41 Date Received: 03/01/22 08:51

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			20794	03/03/22 10:15	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20708	03/02/22 15:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20650	03/03/22 07:21	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	20588	03/01/22 09:46	SC	XEN MID
Soluble	Analysis	300.0		1			20893	03/07/22 17:03	СН	XEN MID

Laboratory References:

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

Job ID: 880-11802-1 SDG: 33.2624321, -103.0739899

Lab Sample ID: 880-11802-4 Matrix: Solid

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Eurofins Midland

Accreditation/Certification Summary

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Job ID: 880-11802-1 SDG: 33.2624321, -103.0739899

Laboratory: Eurofins Midland

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

uthority	Pi	rogram	Identification Number	Expiration Date
xas	N	ELAP	T104704400-21-22	06-30-22
The following analytes	are included in this report, b	ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for v
the agency does not of		Matrix	Anglista	
Analysis Method	fer certification . Prep Method	Matrix	Analyte	
0,		Matrix Solid	Analyte Total TPH	

Eurofins Midland

Client: WSP USA Inc. Project/Site: Trinity Bumas A60 Unit #16

Project/Site: Trinity Bumas A60 Unit #16

11 12 13

Job ID: 880-11802-1 SDG: 33.2624321, -103.0739899

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
3015B 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

Eurofins Midland

Released to Imaging: 6/21/2022 3:16:06 PM

Sample Summary

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Job ID: 880-11802-1 SDG: 33.2624321, -103.0739899

Client: WSP USA Inc. Project/Site: Trinity Bumas A60 Unit #16

.ab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
380-11802-1	FS01	Solid	02/28/22 12:27	03/01/22 08:51	1.5	
380-11802-2	FS02	Solid	02/28/22 12:31	03/01/22 08:51	1.5	
880-11802-3	FS03	Solid	02/28/22 13:36	03/01/22 08:51	1.5	
880-11802-4	FS04	Solid	02/28/22 12:41	03/01/22 08:51	1.5	
						8
						_
						9
						1
						1

5
8
9
13

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Chain of Custody

Houston TX (281) 240-4200 Dallas TX (214) 902-0300 San Antonio TX (210) 509-3334

Tampa FL (813) 620-2000 Tallahassee FL (850) 756-0747 Delray Beach FL (561) 689-6701

Hobbs NM (575) 392 7550 Carlsbad NM (575) 988-3199 Phoenix AZ (480) 355-0900 Midland TX (432) 704-5440 EL Paso, TX (915) 585-3443, Lubbock TX (806) 794-1296

> Work Order No: 11802

5	Madle Green	ReInquished by (Signature)	Notice Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be lable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed					FSDY	FS03	502	FSOI	Sample Identification	Sample Custody Seals Yes No	Cooler Custody Seals. Yes No	Received Intact: (Yes)	5	SAMPLE RECEIPT Terr				Project Number 3403471.003	Project Name Trunk Bun	Phone. 817-643-2503	City State ZIP Maland, T	Address. 3300 North A	Company Name USP USA	Project Manager Kale, Jennings	
	Atric) Received by (Signature)	shment of samples constitutes a valid p t of samples and shall not assume any r applied to each project and a charge of \$	020: 8RCRA 13PPM to be analyzed TCLP / SPLP					11:4 4	96:21		SL 2.28-22 12:27	Matrix Date Time Sampled Sampled	11	(NTA) Correction Factor	No	The	Temp Blank. Yes No Wet Ice			3.179899	Ro	THINK BUMME AND UNH #110 T	- 2503 Email	x mais	3300 North A.S., Bldg 1, UNIX 722	IMC	Inings	
	x K2 3/12	iture) _ Date	urchase order from client compa responsibility for any losses or ex \$5 for each sample submitted to)	CRA 13PPM Texas 11 Al Sb As TCLP/SPLP 6010 8RCRA Sb As					1.5 V V	S:l		1. S.1 X	Numbe			tain		Pres	erv	ate SNV			Turn Around		City State ZIP	Address		Bill to (if different)	
0	22 8512	Date/Time Relinqu	ny to Xenco, its affiliates and s penses incurred by the client i Kenco, but not analyzed. These	As Ba Be B Cd Ca (As Ba Be Cd Cr Cc		2		2	«			X X	TPH	(E	74	9	don EPA	5)))			Þ	Kalei.Jennings@wsp.wm				Kalei Jennings	Atlanta GA (770) 449-8800
		Relinquished by (Signature)	ubcontractors. It assigns stan if such losses are due to circun terms will be enforced unless	3 Cd Ca Cr Co Cu Fe Pb Mg Cd Cr Co Cu Pb Mn Mo Ni S																			ANALYSIS REQUEST		Rep			\$	
		Received by: (Signature)	dard terms and conditions nstances beyond the control previously negotiated.	l d			880-11802 Chain of Custody																		Reporting Level	State of Project.	Program UST/PST PRP Brownfield RRC	Work O	www.xenco.com
				SIO2 Na Sr TI Sn U V Zn 1631 / 245.1 / 7470 / 7471			1 of Custody						Sample Comments	TAT starts the day received by the lab if received by 4 30pm		Zn Acetate+ NaOH Zn	MeOH Me	Note NO				HND3 HN	Preservative Codes	Other	PST/USD TRRD Level			ğ	Page
		Date/Time		' Zn 7471 Hg	$\left \right $	1		J	I	J			ments	evied by the 4 30pm		⁵							Codes		₽		Superfund		of

Revised Date 101419 Rev 2019 1

Job Number: 880-11802-1

List Source: Eurofins Midland

SDG Number: 33.2624321, -103.0739899

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 11802 List Number: 1 Creator: Rodriguez, Leticia

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

N/A

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

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:						
ARMSTRONG ENERGY CORP	1092						
P.O. Box 1973	Action Number:						
Roswell, NM 88202	91942						
	Action Type:						
	[C-141] Release Corrective Action (C-141)						

CONDITIONS

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

CONDITIONS

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Action 91942