District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	NAPP2111644292
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

			•	·			
				OGRID 5	OGRID 5380		
Contact Name Kyle Littrell		Contact Te	Contact Telephone 432-221-7331				
		@exxonmobil.com			(assigned by OCD)		
Contact mailing	g address	522 W. Mermod	, Carlsbad, NM 88	220			
				of Release So	ource		
Latitude 32.14622 Longitude Longitude		Longitude _	-103.87809				
			(NAD 83 in dec	imal degrees to 5 decim	al places)		
Site Name Roy	w 4 Boost	er Pump		Site Type	Pump Station		
Date Release Di		04/12/2021		API# (if appl			
Unit Letter	Section	Township	Range	Coun	ty		
Н	9	25S	30E	Eddy	У		
Surface Owner:				l Volume of F			
Crude Oil	Material	Volume Release		calculations of specific	justification for the volumes provided below) Volume Recovered (bbls)		
× Produced W			5.79	Volume Recovered (bbls) 0.0			
Is the concentration of total dissolved solids (TE in the produced water >10,000 mg/l?		\ /	☐ Yes ☐ No				
Condensate Volume Released (bbls)			Volume Recovered (bbls)				
☐ Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)				
Other (describe) Volume/Weight Released (provide units)		units)	Volume/Weight Recovered (provide units)				
Cause of Releas	se A PIT s for remo	napped off at the organization activities.	connection, releasi	ng fluids onto perm	neable soil. A third-party contractor has been retained		

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Incident ID	NAPP2111644292	
District RP		
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Application ID		

Was this a major	If YES, for what reason(s) does the respor	sible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	N/A	
☐ Yes ☐ No		
If YES, was immediate n	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
N/A		
	Initial Re	esponse
The responsible	party must undertake the following actions immediately	unless they could create a safety hazard that would result in injury
➤ The source of the rele	ease has been stopped.	
✓✓✓The impacted area has	as been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
★ All free liquids and red	ecoverable materials have been removed and	l managed appropriately.
	d above have <u>not</u> been undertaken, explain v	vhy:
NA		
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
regulations all operators are public health or the environi failed to adequately investig	required to report and/or file certain release notified. The acceptance of a C-141 report by the Ogate and remediate contamination that pose a three	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: Adrian Ba	aker 1	Title: SSHE Coordinator
Printed Name: Adrian Ba	cian Daks	Date: 4/26/21
email: adrian.baker@exx		Telephone: 432-221-7331
OCD Only		
Received by:		Date:

Location:	Row 4 Booster Pump Station		
Spill Date:	4/12/2021		
	Area 1		
Approximate A	rea =	7540.00	sq. ft.
Average Satura	tion (or depth) of spill =	1.00	inches
Average Porosity Factor = 0.15			
	VOLUME OF LEAK		
Total Produced Water = 16.79		bbls	
TOTAL VOLUME OF LEAK			
Total Produced	Water =	16.79	bbls
	TOTAL VOLUME RECOVERED		
Total Produced	Water =	0.00	bbls

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Incident ID	NAPP2111644292
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Site Assessment/Characterization

This information must be provided to the appropriate district office no taler than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release?	<u>>100</u> (ft bgs)	
Did this release impact groundwater or surface water?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No	
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No	
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No	
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No	
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No	
Did the release impact areas not on an exploration, development, production, or storage site?		
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.		

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

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

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ncident ID	NAPP2111644292	
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. _Adrian Baker Title: SSHE Coordinator Printed Name: action Bayes Date: 01/24/2022 Signature: email: <u>Adrian.Baker@exxonmobil.com</u> Telephone: (432)-236-3808 **OCD Only** Received by: Date: _____

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Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.			
A scaled site and sampling diagram as described in 19.15.29.11	NMAC		
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)			
□ Laboratory analyses of final sampling (Note: appropriate ODC)	District office mu	ust be notified 2 days prior to final sampling)	
Description of remediation activities			
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of a should their operations have failed to adequately investigate and rem human health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regulat restore, reclaim, and re-vegetate the impacted surface area to the con accordance with 19.15.29.13 NMAC including notification to the OC Printed Name: Adrian Baker Outline Signature:	a C-141 report by ediate contaminate C-141 report does ions. The responsitions that existe CD when reclamate	the OCD does not relieve the operator of liability tion that pose a threat to groundwater, surface water, s not relieve the operator of responsibility for sible party acknowledges they must substantially d prior to the release or their final land use in tion and re-vegetation are complete.	
Signature:	Date: <u>01/2</u>	24/2022	
email:Adrian.Baker@exxonmobil.com	Telephone:	(432)-236-3808	
OCD Only			
Received by: Chad Hensley	Date: _02	2/10/2022	
Closure approval by the OCD does not relieve the responsible party of remediate contamination that poses a threat to groundwater, surface we party of compliance with any other federal, state, or local laws and/o	ater, human healt		
Closure Approved by:	Date: _	02/10/2022	
Printed Name: Chad Hensley		Environmental Specialist Advanced	

wsp

WSP USA

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

January 24, 2022

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

RE: Closure Request
ROW 4 Booster Pump
Incident Number nAPP2111644292
Eddy County, New Mexico

To Whom It May Concern:

WSP USA Inc. on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment, excavation, and soil sampling activities at the ROW 4 Booster Pump (Site) in Unit H, Section 9, Township 25 South, Range 30 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil following a release of produced water at the Site. Based on the excavation activities and laboratory analytical results, XTO is submitting this Closure Request, describing remediation that has occurred and requesting no further action (NFA) for Incident Number NAPP2111644292. Please note that this Closure Request report is a resubmittal of the September 7, 2021 report, with a correction to the laboratory analytical results summarized on the attached Table 1.

RELEASE BACKGROUND

On April 12, 2021, a PIT snapped off at the connection, resulting in the release of approximately 16.79 barrels (bbls) of produced water onto the surrounding right-of-way. No fluids were recovered. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on April 26, 2021. The release was assigned Incident Number NAPP2111644292.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Society (USGS) well 320850103533801, located approximately 0.9 miles west of the Site. The groundwater well has a reported depth to groundwater of 310 feet bgs and a total depth of 385 feet bgs. Ground



surface elevation at the groundwater well location is 3,231 feet above mean sea level (amsl), which is approximately 33 feet lower in elevation than the Site. All wells used for depth to groundwater determination are depicted on Figure 1. The referenced well records are included in Attachment 1. There are no regional or Site-specific hydrological conditions, such as shallow surface water, karst features, wetlands, or vegetation that suggest the Site is conducive to shallow groundwater.

The closest continuously flowing or significant watercourse to the Site is an intermittent stream, located approximately 1,117 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)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

A reclamation standard of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top 4 feet of the pasture area that was impacted by the release, per NMAC 19.15.29.13.D (1) for the top 4 feet of areas that will be reclaimed following remediation.

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On May 13, 2021, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. WSP personnel collected five preliminary assessment soil samples (SS01 through SS05) within the release extent from a depth of approximately 0.5 feet bgs to assess the lateral extent of the impacted soil. The preliminary soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.



The preliminary soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

Laboratory analytical results for preliminary soil sample SS03 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and the reclamation standard. Laboratory analytical results for preliminary soil samples SS01, SS02, SS04, and SS05 indicated that chloride concentrations exceeded the reclamation standard. Based on visible staining in the release area, elevated field screening results, and laboratory analytical results for the preliminary soil samples, delineation and excavation activities were warranted.

DELINEATION AND EXCAVATION SOIL SAMPLING ACTIVITIES

Between June 23, 2021 and June 30, 2021, WSP personnel returned to the Site to oversee delineation and excavation activities as indicated by visual observations, field screening activities, and laboratory analytical results for the preliminary soil samples.

Five potholes (PH01 through PH05) were advanced via hydro-vacuum to a depth of 2 feet bgs within the release extent to assess the lateral and vertical extent of impacted soil. Delineation soil samples were collected from each pothole at depths of 1-foot and 2 feet bgs. Potholes PH01 through PH05 were advanced at the SS01 through SS05 preliminary soil sample locations, respectively. Soil from the potholes was field screened for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach© chloride QuanTab© test strips, respectively. Field screening results and observations for each pothole were logged on lithologic/soil sampling logs, which are included in Attachment 2. The pothole and delineation soil sample locations are presented on Figure 3. The delineation soil samples were collected, handled, and analyzed as described above at Eurofins in Carlsbad, New Mexico. Photographic documentation was conducted during the Site visit. A photographic log is included in Attachment 3.

Based on laboratory analytical results for the preliminary and delineation soil samples and visible staining in the release area, excavation activities were completed to remove the impacted soil. Excavation activities were performed using track-mounted backhoe and transport vehicle. To direct excavation activities, WSP screened soils for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. 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 soil samples FS01 through FS32 were collected from the floor of the excavation from depths ranging from 1 foot to 3.5 feet bgs. Composite soil samples SW01 through SW04 were collected from the sidewalls of the excavation from depths ranging from the ground surface to 3.5 feet bgs. Due to the shallow depth of the northern portion of the excavation, floor samples FS01 through FS08 represented the floor and sidewalls of the excavation in this area. The excavation soil samples were collected, handled, and analyzed as described above. The excavation extent and excavation soil sample locations are presented on Figure 4.

The final excavation area measured approximately 6,410 square feet. A total of approximately 560 cubic yards of impacted soil were removed during excavation activities. The impacted soil was transported and properly disposed of at the R360 Facility located in Hobbs, New Mexico. After the completion of confirmation sampling, the excavation was backfilled.

SOIL ANALYTICAL RESULTS

Laboratory analytical results for preliminary soil sample SS03 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and the reclamation standard. Laboratory analytical results for preliminary soil samples SS01, SS02, SS04, and SS05 indicated that chloride concentrations exceeded the reclamation standard.

Laboratory analytical results for pothole delineation samples PH01/PH01A, PH02A, PH03/PH03A, PH04A, and PH05A indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and the reclamation standard. Laboratory analytical results for pothole delineation samples PH02, PH04, and PH05, collected at 1-foot bgs, indicated that chloride concentrations exceeded the reclamation standard.

Laboratory analytical results for excavation floor samples FS01 through FS32 and sidewall samples SW01 through SW04, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and the reclamation standard. The laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included in Attachment 4.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the April 12, 2021 release of produced water. Laboratory analytical results for excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and the reclamation standard for the top four feet of pasture areas. Based on the soil sample analytical results, no further remediation was required. XTO backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions. The disturbed pasture area will be re-seeded with an approved BLM seed mixture.



Excavation of impacted soil has mitigated impacts at this Site. Depth to groundwater is estimated to be greater than 100 feet bgs and no other sensitive receptors were identified near the release extent. WSP and XTO believe these remedial actions are protective of human health, the environment, and groundwater. As such, XTO respectfully requests NFA for Incident Number NAPP2111644292.

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

Sincerely,

WSP USA Inc.

Kaleb Henry

Kaleb Henry

Assistant Consultant, Geologist

Ashley L. Ager, P.G.

Ashley L. Ager

Managing Director, Geologist

cc: Adrian Baker, XTO

Bureau of Land Management

Attachments:

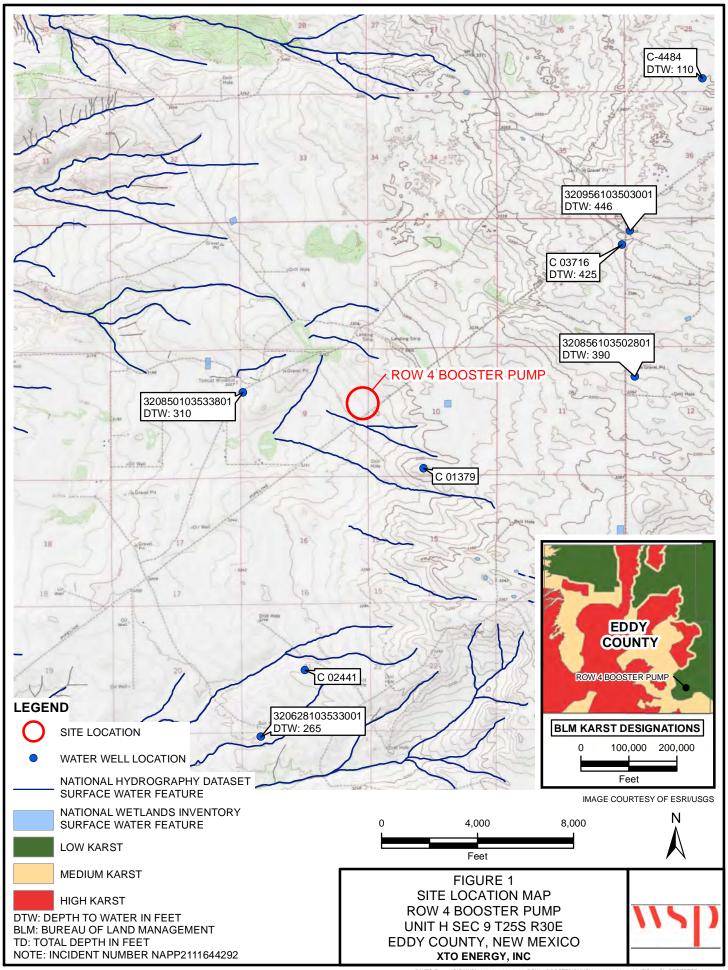
Figure 1 Site Location Map

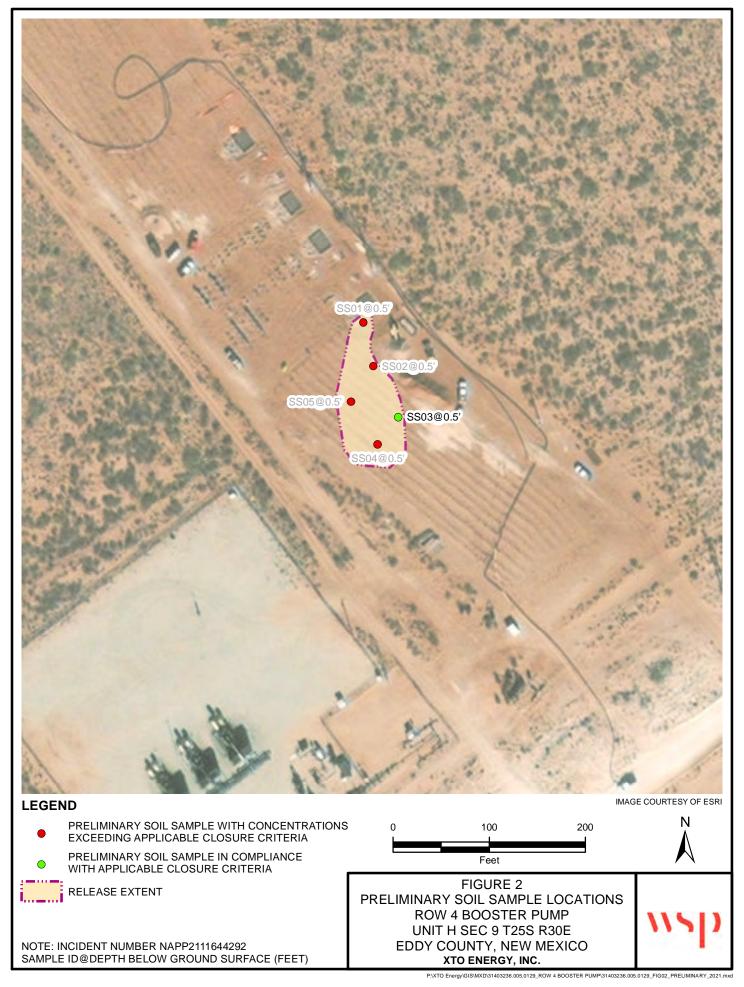
Figure 2 Preliminary Soil Sample Locations
Figure 3 Delineation Soil Sample Locations
Figure 4 Excavation Soil Sample Locations

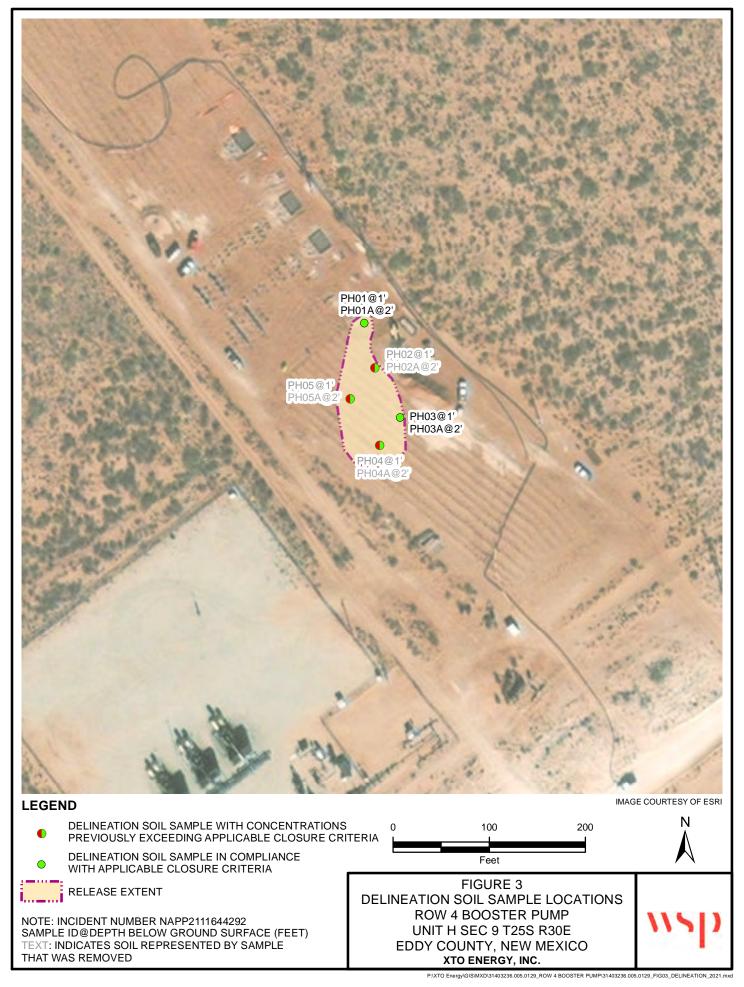
Table 1 Soil Analytical Results
Attachment 1 Referenced Well Records
Attachment 2 Lithologic/Sampling Log

Attachment 3 Photographic Log

Attachment 4 Laboratory Analytical Reports







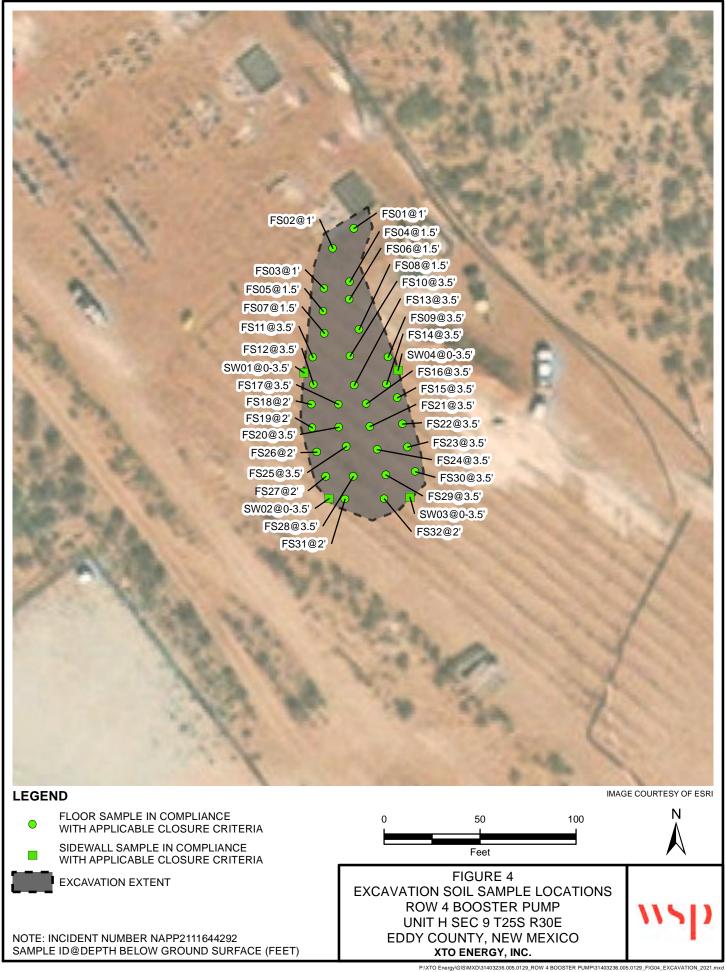


Table 1

Soil Analytical Results ROW 4 Booster Pump Station Incident Number nAPP2111644292 XTO Energy, Inc. Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 C	losure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
Preliminary Soil Sa	mples									
SS01	05/13/2021	0.5	< 0.00200	< 0.00399	<50.0	< 50.0	<50.0	<50.0	< 50.0	3,530*
SS02	05/13/2021	0.5	< 0.00199	< 0.00398	<49.8	<49.8	<49.8	<49.8	<49.8	6,570*
SS03	05/13/2021	0.5	< 0.00198	< 0.00397	<49.9	<49.9	<49.9	<49.9	<49.9	466*
SS04	05/13/2021	0.5	< 0.00202	< 0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	695*
SS05	05/13/2021	0.5	< 0.00200	< 0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	5,180*
Delineation Soil Sar	nples									
PH01	06/23/2021	1	< 0.00200	< 0.00401	<49.7	<49.7	<49.7	<49.7	<49.7	41.0*
PH01A	06/23/2021	2	< 0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	22.4*
PH02	06/23/2021	1	< 0.00199	< 0.00398	<50.0	<50.0	<50.0	<50.0	< 50.0	5,520*
PH02A	06/23/2021	2	< 0.00200	< 0.00401	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	80.4*
PH03	06/23/2021	1	< 0.00200	< 0.00399	< 50.0	< 50.0	<50.0	< 50.0	< 50.0	21.6*
PH03A	06/23/2021	2	< 0.00202	< 0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	14.6*
PH04	06/23/2021	1	< 0.00200	< 0.00399	< 50.0	< 50.0	<50.0	< 50.0	< 50.0	810*
PH04A	06/23/2021	2	< 0.00200	< 0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	64.4*
PH05	06/23/2021	1	< 0.00201	< 0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	1,870*
PH05A	06/23/2021	2	< 0.00201	< 0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	42.7*
Excavation Floor Sa	amples									
FS01	06/24/2021	1	< 0.00200	< 0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	175*
FS02	06/24/2021	1	< 0.00202	< 0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	16.8*
FS03	06/24/2021	1	< 0.00199	< 0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	195*
FS04	06/24/2021	1.5	< 0.00202	< 0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	467*
FS05	06/24/2021	1.5	< 0.00201	< 0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	72.0*

Table 1

Soil Analytical Results ROW 4 Booster Pump Station Incident Number nAPP2111644292 XTO Energy, Inc. Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 C	losure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
FS06	06/24/2021	1.5	< 0.00201	< 0.00402	<49.7	<49.7	<49.7	<49.7	<49.7	17.4*
FS07	06/24/2021	1.5	< 0.00200	< 0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	9.61*
FS08	06/24/2021	1.5	< 0.00199	< 0.00398	<50.0	<50.0	<50.0	<50.0	< 50.0	200*
FS09	06/30/2021	3.5	< 0.00200	< 0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	120*
FS10	06/30/2021	3.5	< 0.00199	< 0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	69.0*
FS11	06/30/2021	3.5	< 0.00200	< 0.00401	<50.0	<50.0	<50.0	< 50.0	<50.0	41.4*
FS12	06/30/2021	3.5	< 0.00202	< 0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	70.5*
FS13	06/30/2021	3.5	< 0.00201	< 0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	49.9*
FS14	06/30/2021	3.5	< 0.00202	< 0.00403	<49.7	<49.7	<49.7	<49.7	<49.7	66.6*
FS15	06/30/2021	3.5	< 0.00200	< 0.00401	<50.0	<50.0	<50.0	< 50.0	<50.0	129*
FS16	06/30/2021	3.5	< 0.00201	< 0.00402	<50.0	<50.0	<50.0	< 50.0	<50.0	507*
FS17	06/30/2021	3.5	< 0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	80.2*
FS18	06/30/2021	2	< 0.00202	< 0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	158*
FS19	06/30/2021	2	< 0.00202	< 0.00404	<50.0	<50.0	<50.0	< 50.0	<50.0	19.1*
FS20	06/30/2021	3.5	< 0.00201	< 0.00402	<50.0	<50.0	<50.0	< 50.0	<50.0	52.4*
FS21	06/30/2021	3.5	< 0.00200	< 0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	121*
FS22	06/30/2021	3.5	< 0.00201	< 0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	92.4*
FS23	06/30/2021	3.5	< 0.00200	< 0.00400	<50.0	<50.0	<50.0	<50.0	< 50.0	127*
FS24	06/30/2021	3.5	< 0.00200	< 0.00399	<49.8	<49.8	<49.8	<49.8	<49.8	103*
FS25	06/30/2021	3.5	< 0.00200	< 0.00401	<50.0	<50.0	<50.0	<50.0	< 50.0	106*
FS26	06/30/2021	2	< 0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	17.9*
FS27	06/30/2021	2	< 0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	18.8*

Table 1

Soil Analytical Results ROW 4 Booster Pump Station Incident Number nAPP2111644292 XTO Energy, Inc. Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Clo	osure Criteria (NM.	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
FS28	06/30/2021	3.5	< 0.00200	< 0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	67.2*
FS29	06/30/2021	3.5	< 0.00200	< 0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	48.5*
FS30	06/30/2021	3.5	< 0.00201	< 0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	46.1*
FS31	06/30/2021	2	< 0.00202	< 0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	26.7*
FS32	06/30/2021	2	< 0.00202	< 0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	81.7*
Excavation Sidewall	Samples									
SW01	09/02/2021	0-3.5	< 0.00202	< 0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	310*
SW02	09/02/2021	0-3.5	< 0.00200	< 0.00401	<49.8	<49.8	<49.8	<49.8	<49.8	91.9*
SW03	09/02/2021	0-3.5	< 0.00202	< 0.00403	<49.9	66.9	<49.9	66.9	66.9	479*
SW04	09/02/2021	0-3.5	< 0.00202	< 0.00403	<49.8	<49.8	<49.8	<49.8	<49.8	390*

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 - motor 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 impated soil was removed

^{* -} indicates sample was collected in area to be reclaimed after remediation is complete; closure criteria for chloride concentration in the top 4 feet of soil is 600 mg/kg



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National Water Information System: Web Interface

USGS Water Resources	Data Category:		Geographic Area:		
0303 Water Resources	Groundwater	~	United States	~	GO

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- Full News 🔕

Groundwater levels for the Nation

* IMPORTANT: Next Generation Station Page

Search Results -- 1 sites found

Agency code = usgs site no list =

320850103533801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 320850103533801 25S.30E.08.224444

Available data for this site	Groundwater:	Field measurements	~	GO
Eddy County, New Mexico				
Hydrologic Unit Code 1306	0011			

Latitude 32°08'50", Longitude 103°53'38" NAD27

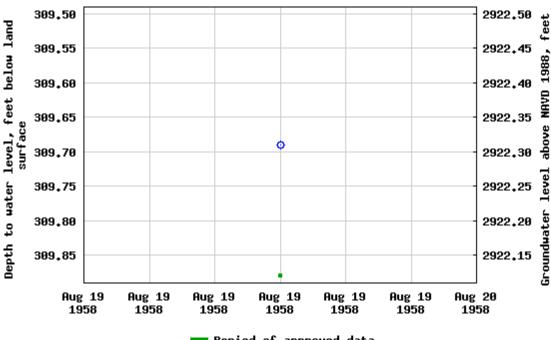
Land-surface elevation 3,232 feet above NAVD88

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Table of data Tab-separated data Graph of data Reselect period

USGS 320850103533801 255.30E.08.224444



- Period of approved data

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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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: 2021-05-19 12:03:49 EDT

0.56 0.51 nadww02





New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

 \mathbf{X}

C 03716 POD1

1229

2 2 02 25S 30E

3559211 609069

Driller License:

Driller Company:

CARTER'S WELL DRILLING

Driller Name:

RICHARD CARTER

Drill Finish Date:

03/03/2014 **Plug Date:**

Drill Start Date: Log File Date:

02/05/2014 03/12/2014

PCW Rcv Date:

Pipe Discharge Size:

Source:

Shallow

Pump Type:

Estimated Yield: 50 GPM

Casing Size:

Depth Well:

600 feet

Depth Water:

425 feet

Water Bearing Stratifications:

Top Bottom Description

442

600 Sandstone/Gravel/Conglomerate

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

5/19/21 10:17 AM

POINT OF DIVERSION SUMMARY

	'''	51)	5	08 West S	P USA Stevens S	Street		BH or PH Name: PH01 Site Name: ROW 4 Booster Pu	Date: 06/23/2021 mp Station		
				Car	Isbad, Ne	w Mexico	88220		RP or Incident Number: nAPP211644292			
									WSP Job Number: 31403236.005.0129			
	LITHOLOGIC / SOIL SAMPLING LOG								Logged By: BB	Method: Hydrovac		
Lat/Lo	at/Long: 32.146463, -103.878122 Field Screening: Hach chloride strips, PID								Hole Diameter: 10 inches	Total Depth: 2 feet bgs		
Comm	nents: All cl	hloride fiel	d scree	anings includ				nole hackfill	ed with clean topsoil fill.			
M-moi	ist; D-dry; Y	/-yes; N-n	0	riii igs iriciuu	e a 40 % cc	niection ia	ictor, borer	IOIC DACKIIII	ed with clean topson hii.			
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS			r/Remarks		
M	<124 <124	0.1	N N	PH01 PH01A	1 _	1 2	SP	grav	ID, moist, brown, poorly g el, no stain, no odor che gravel absent	raded, fine grain, some caliche		
			•					TD (② 2 feet bgs			

7		J	1		WS	SP USA			BH or PH Name: PH02	Date: 06/23/2021		
\	11			F	08 West S	Stevens S	Street		Site Name: ROW 4 Booster Pum	n Station		
				Car	Isbad, Ne	w Mexico	88220		RP or Incident Number: nAPP21			
									WSP Job Number: 314032236.005.0129			
	LITHOLOGIC / SOIL SAMPLING LOG								Logged By: BB	Method: Hydrovac		
Lat/Lo	ng: 32.146				Field Scre				Hole Diameter: 10 inches	Total Depth: 2 feet bgs		
					Hach chlo	ride strips,				, o		
Comm	nents: All c	hloride fie	eld scre	enings includ	e a 40% co	rrection fa	ctor, boreh	nole backfill	ed with clean topsoil fill.			
IVI-mol	ist; D-dry; \	r-yes; IN-r	10		1	ı	1	ı				
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol		Lithology/	Remarks		
						0	SP		D, moist, brown, poorly gra		mall	
М	6,664	0.1	N	PH02	1 -	1	CCUE		he gravel, no stain, no odo ICHE, moist, tan, well-moo		100	
IVI	0,004	0.1	IN	F1102	1 _	- '	COME		grain sand, no stain, no od		CC	
М	<124	0.1	N	PH02A	2	2		11110	g. a cana, no ciam, no oc	- .		
	_		•	· · ·		•	•					
							TD @	2 feet b	gs			
		·										
				\								
					`							
							·					
									`			

\\ \ \\	WSP USA	BH or PH Name: PH03	Date: 06/23/2021			
S Car	08 West Stevens Street Isbad, New Mexico 88220	Site Name: ROW 4 Booster Pump				
Cui	isbau, New Mexico Gozzo	RP or Incident Number: nAPP211644292 WSP Job Number: 31403236.005.0129				
LITHOLOGIC / SOIL	SAMPLING LOG	Logged By: BB	Method: Hydrovac			
Lat/Long: 32.146191, -103.878004	Field Screening:	Hole Diameter: 10 inches	Total Depth: 2 feet bgs			
LavLong. 32.146191, -103.676004	Hach chloride strips, PID	Hole Diameter. To inches	Total Deptil. 2 leet bys			
Comments: All chloride field screenings includ		illed with clean topsoil fill.				
M-moist; D-dry; Y-yes; N-no						
Moisture Content Chloride (ppm) Vapor (ppm) Staining	Sample Depth (ft bgs) Depth (st bgs)	Lithology/R				
M <124 0.1 N PH03 M <124 0.1 N PH03A		ND, moist, brown, poorly gra- arge caliche gravel, no stain,				
W 2124 0.1 N P1103A	<u> </u>	@ 2 feet bgs				

7	'''	SI		_		P USA			BH or PH Name: PH04		Date: 06/23/2021	
				5 Car	08 West S Isbad, Ne	stevens S w Mexico	Street 5 88220		Site Name: ROW 4 Booster			
				Oui	13644, 140	W Wieniec	00220		RP or Incident Number: nAPP211644292 WSP Job Number: 31403236.005.0129			
	LITHOLOGIC / SOIL SAMPLING LOG											
Lat/Lo	_at/Long: 32.146112, -103.878074								Logged By: BB Hole Diameter: 10 inches		Fotal Depth: 2 feet bgs	
Lavec	711g. 32. 140	1112, -103	.07007	+	Hach chlo	_	, PID		Tible Diameter. To inches		Total Deptil. 2 feet bys	
Comn M-mo	nents: All clist; D-dry; \	hloride fiel /-yes; N-n	d scree	enings includ				nole backfill	ed with clean topsoil fill.	Į.		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS		Litholo			
M	711 <124	0.1	Z	PH04 PH04A	1 <u>-</u> 2 -	0 1 - 2	SP		ID, moist, brown, poorly rge caliche gravel, no s		ed, fine grain, some small o odor	
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0.1	14	1110471	2		1	TD (2 feet bgs			

	\\'	5)	5 Car	WS 08 West S Isbad, Ne	P USA Stevens S w Mexico	Street 88220		BH or PH Name: PH05 Site Name: ROW 4 Booster Pu RP or Incident Number: nAPP2 WSP Job Number: 31403236.0	11644292
	LITHOLOGIC / SOIL SAMPLING LOG								Logged By: BB	Method: Hydrovac
Lat/Lo	Lat/Long: 32.146247, -103.878172 Field Screening:								Hole Diameter: 10 inches	Total Depth: 2 feet bgs
					Hach chlo	ride strips,				
Comn	nents: All c	hloride fie	ld scree	enings includ	e a 40% co	rrection fa	ctor, boreh	nole backfill	ed with clean topsoil fill.	
M-mo	oist; D-dry; \	r-yes; N-n	0		1		1	1		
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS			/Remarks
M	2,279	0.1	Z Z	PH05 PH05A	1 _	1 - 2	SP		D, moist, brown, poorly g rge caliche gravel, no sta	raded, fine grain, some small n, no odor
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0.1	14	THOSA	2			TD @	0 2 feet bgs	



	PHOTOGRAPHIC LOG	
XTO Energy, Inc.	ROW 4 Booster Pump	NAPP2111644292
	Eddy County, New Mexico	

Photo No. Date

1 May 13, 2021

Southeast facing view of release extent during initial Site

assessment.



 Photo No.
 Date

 2
 May 13, 2021

Southwest facing view of release extent during initial Site assessment.





	PHOTOGRAPHIC LOG	
XTO Energy, Inc.	ROW 4 Booster Pump	NAPP2111644292
	Eddy County, New Mexico	

Photo No. Date

3 June 23, 2021

Northeast facing view during

delineation activities.



 Photo No.
 Date

 4
 June 23, 2021

Northeast facing view during delineation activities.





PHOTOGRAPHIC LOG		
XTO Energy, Inc.	ROW 4 Booster Pump	NAPP2111644292
	Eddy County, New Mexico	

Photo No. Date
5 June 24, 2021

Northeast facing view during

excavation activities.



Photo No. Date
6 June 30, 2021
West facing view of final

excavation extent.





Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-675-1

Laboratory Sample Delivery Group: 31403236.005.0129

Client Project/Site: Row 4 Booster Pump

For:

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

Attn: Dan Moir

MEAMER

Authorized for release by: 5/19/2021 9:20:16 AM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

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Released to Imaging: 2/10/2022 8:35:02 AM

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.

1

2

3

4

5

7

8

1 N

12

13

Client: WSP USA Inc.
Project/Site: Row 4 Booster Pump

Laboratory Job ID: 890-675-1
SDG: 31403236.005.0129

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	0	

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-675-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

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

HPLC/IC

Qualifier **Qualifier Description**

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

Duplicate Error Ratio (normalized absolute difference) **DER**

Dilution Factor Dil Fac

Detection Limit (DoD/DOE) DΙ

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

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL ML Minimum Level (Dioxin) MPN Most Probable Number MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL **Practical Quantitation Limit**

Presumptive **PRES** QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Job ID: 890-675-1

Case Narrative

Client: WSP USA Inc.

Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Job ID: 890-675-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-675-1

Receipt

The samples were received on 5/14/2021 9:57 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C

GC VOA

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

GC Semi VOA

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

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

Client: WSP USA Inc. Project/Site: Row 4 Booster Pump

Job ID: 890-675-1

SDG: 31403236.005.0129

Client Sample ID: SS01

Date Collected: 05/13/21 16:57 Date Received: 05/14/21 09:57

Sample Depth: 0.5'

Lab Sample ID: 890-675-1

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/15/21 17:22	05/16/21 14:03	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/15/21 17:22	05/16/21 14:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/15/21 17:22	05/16/21 14:03	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		05/15/21 17:22	05/16/21 14:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/15/21 17:22	05/16/21 14:03	1
Xylenes, Total	< 0.00399	U	0.00399	mg/Kg		05/15/21 17:22	05/16/21 14:03	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		05/15/21 17:22	05/16/21 14:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		70 - 130			05/15/21 17:22	05/16/21 14:03	1
1,4-Difluorobenzene (Surr)	92		70 - 130			05/15/21 17:22	05/16/21 14:03	1

Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/14/21 15:47	05/15/21 05:18	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/14/21 15:47	05/15/21 05:18	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/14/21 15:47	05/15/21 05:18	1
Total TPH	<50.0	U	50.0	mg/Kg		05/14/21 15:47	05/15/21 05:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130			05/14/21 15:47	05/15/21 05:18	1
o-Terphenyl	119		70 - 130			05/14/21 15:47	05/15/21 05:18	1

Method: 300.0 - Anions, Ion Ch	nromatography - Solub	ole					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3530	24.9	mg/Kg			05/18/21 13:13	5

Client Sample ID: SS02 Date Collected: 05/13/21 17:05 Date Received: 05/14/21 09:57

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		05/15/21 17:22	05/16/21 14:23	1
Toluene	< 0.00199	U	0.00199	mg/Kg		05/15/21 17:22	05/16/21 14:23	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		05/15/21 17:22	05/16/21 14:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		05/15/21 17:22	05/16/21 14:23	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		05/15/21 17:22	05/16/21 14:23	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		05/15/21 17:22	05/16/21 14:23	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		05/15/21 17:22	05/16/21 14:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			05/15/21 17:22	05/16/21 14:23	1
1,4-Difluorobenzene (Surr)	126		70 - 130			05/15/21 17:22	05/16/21 14:23	1

Lab Sample ID: 890-675-2

Matrix: Solid

Matrix: Solid

Lab Sample ID: 890-675-2

05/18/21 13:28

Client: WSP USA Inc. Job ID: 890-675-1

Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: SS02 Date Collected: 05/13/21 17:05 Date Received: 05/14/21 09:57

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		05/14/21 15:47	05/15/21 06:00	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		05/14/21 15:47	05/15/21 06:00	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		05/14/21 15:47	05/15/21 06:00	1
Total TPH	<49.8	U	49.8	mg/Kg		05/14/21 15:47	05/15/21 06:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130			05/14/21 15:47	05/15/21 06:00	1
o-Terphenyl	114		70 - 130			05/14/21 15:47	05/15/21 06:00	1

Client Sample ID: SS03 Lab Sample ID: 890-675-3 **Matrix: Solid**

49.5

mg/Kg

6570

Date Collected: 05/13/21 17:31 Date Received: 05/14/21 09:57

Sample Depth: 0.5'

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198	mg/Kg		05/15/21 17:22	05/16/21 14:43	1
Toluene	<0.00198	U	0.00198	mg/Kg		05/15/21 17:22	05/16/21 14:43	1
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		05/15/21 17:22	05/16/21 14:43	1
m-Xylene & p-Xylene	< 0.00397	U	0.00397	mg/Kg		05/15/21 17:22	05/16/21 14:43	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		05/15/21 17:22	05/16/21 14:43	1
Xylenes, Total	< 0.00397	U	0.00397	mg/Kg		05/15/21 17:22	05/16/21 14:43	1
Total BTEX	<0.00397	U	0.00397	mg/Kg		05/15/21 17:22	05/16/21 14:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
						05/15/21 17:22	05/16/21 14:43	
4-Bromofluorobenzene (Surr)	94		70 - 130			05/15/21 17.22	03/10/21 14.43	
1,4-Difluorobenzene (Surr)	95	ics (DRO)	70 - 130				05/16/21 14:43	
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ra	95 ange Organi		70 - 130 (GC)	Unit	n	05/15/21 17:22	05/16/21 14:43	•
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics	95 ange Organi	Qualifier	70 - 130	Unit mg/Kg	<u>D</u>		05/16/21 14:43 Analyzed	•
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10	95 ange Organ Result <49.9	Qualifier U	70 - 130 (GC) RL 49.9	mg/Kg	<u>D</u>	05/15/21 17:22 Prepared 05/14/21 15:47	05/16/21 14:43 Analyzed 05/15/21 06:21	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	95 ange Organ Result	Qualifier U	70 - 130 (GC)		<u>D</u>	05/15/21 17:22 Prepared 05/14/21 15:47	05/16/21 14:43 Analyzed	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	95 ange Organ Result <49.9	Qualifier U	70 - 130 (GC) RL 49.9	mg/Kg	<u>D</u>	05/15/21 17:22 Prepared 05/14/21 15:47	05/16/21 14:43 Analyzed 05/15/21 06:21 05/15/21 06:21	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	95 ange Organ Result <49.9	Qualifier U	70 - 130 (GC) RL 49.9	mg/Kg	<u>D</u>	05/15/21 17:22 Prepared 05/14/21 15:47 05/14/21 15:47	05/16/21 14:43 Analyzed 05/15/21 06:21 05/15/21 06:21	Dil Fac
1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	95 ange Organ Result <49.9 <49.9	Qualifier U U U U	70 - 130 (GC) RL 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	05/15/21 17:22 Prepared 05/14/21 15:47 05/14/21 15:47	05/16/21 14:43 Analyzed 05/15/21 06:21 05/15/21 06:21 05/15/21 06:21	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Ra Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	95 ange Organ Result <49.9 <49.9 <49.9	Qualifier U U U U	70 - 130 (GC) RL 49.9 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 05/14/21 15:47 05/14/21 15:47 05/14/21 15:47 05/14/21 15:47	Analyzed 05/15/21 06:21 05/15/21 06:21 05/15/21 06:21 05/15/21 06:21 Analyzed	Dil Fac

Eurofins Xenco, Carlsbad

Analyzed

05/18/21 13:33

RL

4.99

Unit

mg/Kg

D

Prepared

Result Qualifier

466

5/19/2021

Dil Fac

Analyte

Chloride

Matrix: Solid

Client: WSP USA Inc.

Job ID: 890-675-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: SS04 Lab Sample ID: 890-675-4

Date Collected: 05/13/21 17:22 Date Received: 05/14/21 09:57

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		05/15/21 17:22	05/16/21 15:04	1
Toluene	<0.00202	U	0.00202	mg/Kg		05/15/21 17:22	05/16/21 15:04	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		05/15/21 17:22	05/16/21 15:04	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		05/15/21 17:22	05/16/21 15:04	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		05/15/21 17:22	05/16/21 15:04	1
Xylenes, Total	< 0.00403	U	0.00403	mg/Kg		05/15/21 17:22	05/16/21 15:04	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		05/15/21 17:22	05/16/21 15:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			05/15/21 17:22	05/16/21 15:04	1
1,4-Difluorobenzene (Surr)	102		70 - 130			05/15/21 17:22	05/16/21 15:04	1

Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/14/21 15:47	05/15/21 06:41	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/14/21 15:47	05/15/21 06:41	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/14/21 15:47	05/15/21 06:41	1
Total TPH	<49.9	U	49.9	mg/Kg		05/14/21 15:47	05/15/21 06:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			05/14/21 15:47	05/15/21 06:41	1
o-Terphenyl	103		70 - 130			05/14/21 15:47	05/15/21 06:41	1

Method: 300.0 - Anions, Ion Ch	romatogra	phy - Solu	ble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	695		5.01	mg/Kg			05/18/21 13:38	1

Lab Sample ID: 890-675-5 **Client Sample ID: SS05** Date Collected: 05/13/21 17:31 Matrix: Solid

Date Received: 05/14/21 09:57

Sample Depth: 0.5'

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/15/21 17:22	05/16/21 15:24	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/15/21 17:22	05/16/21 15:24	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/15/21 17:22	05/16/21 15:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		05/15/21 17:22	05/16/21 15:24	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/15/21 17:22	05/16/21 15:24	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		05/15/21 17:22	05/16/21 15:24	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		05/15/21 17:22	05/16/21 15:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		70 - 130			05/15/21 17:22	05/16/21 15:24	1
1,4-Difluorobenzene (Surr)	94		70 - 130			05/15/21 17:22	05/16/21 15:24	1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-675-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: SS05

Date Collected: 05/13/21 17:31 Date Received: 05/14/21 09:57

Sample Depth: 0.5'

Lab	Samp	le II) :	89	0-6	75	5-5
			N.	late.	ivi	0	lia

Matrix: Solid

|--|--|

Method: 8015B NM - Diesel R	ange Organ	ics (DRO)	(GC)					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		05/14/21 15:47	05/15/21 07:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		05/14/21 15:47	05/15/21 07:02	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		05/14/21 15:47	05/15/21 07:02	1
Total TPH	<49.9	U	49.9	mg/Kg		05/14/21 15:47	05/15/21 07:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			05/14/21 15:47	05/15/21 07:02	1
o-Terphenyl	106		70 - 130			05/14/21 15:47	05/15/21 07:02	1

Method: 300.0 - Anions, Ion Ch	nromatogra	phy - Solu	ıble					
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5180		25.2	mg/Kg			05/18/21 13:44	5

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-675-1

Project/Site: Row 4 Booster Pump

SDG: 31403236.005.0129

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

			Perce	nt Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-675-1	SS01	88	92	
890-675-2	SS02	106	126	
890-675-3	SS03	94	95	
890-675-4	SS04	101	102	
890-675-5	SS05	96	94	
LCS 880-3158/1-A	Lab Control Sample	111	103	
LCSD 880-3158/2-A	Lab Control Sample Dup	111	106	
MB 880-3156/5-A	Method Blank	87	95	
MB 880-3158/5-A	Method Blank	87	92	
Surrogate Legend				
BFB = 4-Bromofluorobe	enzene (Surr)			

BFB = 4-Bromofluorobenzene (Surr DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

			Percer	t Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-675-1	SS01	117	119	
890-675-2	SS02	114	114	
890-675-3	SS03	104	102	
890-675-4	SS04	101	103	
890-675-5	SS05	104	106	
LCS 880-3136/2-A	Lab Control Sample	104	97	
LCSD 880-3136/3-A	Lab Control Sample Dup	103	98	
MB 880-3136/1-A	Method Blank	128	133 S1+	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

1

Client: WSP USA Inc. Job ID: 890-675-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-3156/5-A

Matrix: Solid

Analysis Batch: 3157

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 3156

	MB N	MR					•	
Analyte	Result C		RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200 U	J	0.00200	mg/Kg		05/15/21 17:13	05/15/21 20:43	1
Toluene	<0.00200 L	J	0.00200	mg/Kg		05/15/21 17:13	05/15/21 20:43	1
Ethylbenzene	<0.00200 L	J	0.00200	mg/Kg		05/15/21 17:13	05/15/21 20:43	1
m-Xylene & p-Xylene	<0.00400 L	j	0.00400	mg/Kg		05/15/21 17:13	05/15/21 20:43	1
o-Xylene	<0.00200 L	J	0.00200	mg/Kg		05/15/21 17:13	05/15/21 20:43	1
Xylenes, Total	<0.00400 L	J	0.00400	mg/Kg		05/15/21 17:13	05/15/21 20:43	1
Total BTEX	<0.00400 L	j	0.00400	mg/Kg		05/15/21 17:13	05/15/21 20:43	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87	70 - 130	05/15/21 17:13	05/15/21 20:43	1
1,4-Difluorobenzene (Surr)	95	70 - 130	05/15/21 17:13	05/15/21 20:43	1

Lab Sample ID: MB 880-3158/5-A

Matrix: Solid

Analysis Batch: 3157

Client Sample ID: Method Blank **Prep Type: Total/NA**

Prep Batch: 3158

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		05/15/21 17:22	05/16/21 07:34	1
Toluene	<0.00200	U	0.00200	mg/Kg		05/15/21 17:22	05/16/21 07:34	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		05/15/21 17:22	05/16/21 07:34	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		05/15/21 17:22	05/16/21 07:34	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		05/15/21 17:22	05/16/21 07:34	1
Xylenes, Total	< 0.00400	U	0.00400	mg/Kg		05/15/21 17:22	05/16/21 07:34	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		05/15/21 17:22	05/16/21 07:34	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared Analyze	d Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	05/15/21 17:22 05/16/21 0	7:341
1,4-Difluorobenzene (Surr)	92		70 - 130	05/15/21 17:22 05/16/21 0	7:34 1

Lab Sample ID: LCS 880-3158/1-A

Matrix: Solid

Analysis Batch: 3157

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 3158

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07458		mg/Kg	_	75	70 - 130	
Toluene	0.100	0.07523		mg/Kg		75	70 - 130	
Ethylbenzene	0.100	0.08131		mg/Kg		81	70 - 130	
m-Xylene & p-Xylene	0.200	0.1725		mg/Kg		86	70 - 130	
o-Xylene	0.100	0.08903		mg/Kg		89	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Client: WSP USA Inc. Job ID: 890-675-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

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

Lab Sample ID: LCSD 880-3158/2-A

Matrix: Solid

Analysis Batch: 3157

Cheff Sample ID. Lab Control Sample D	·uρ
Prep Type: Total/	NA
Prep Batch: 3 ^o	158
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	Spike	LCSD	LCSD			%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D %Rec	Limits	RPD	Limit
Benzene	0.100	0.08353		mg/Kg	84	70 - 130	11	35
Toluene	0.100	0.08312		mg/Kg	83	70 - 130	10	35
Ethylbenzene	0.100	0.09078		mg/Kg	91	70 - 130	11	35
m-Xylene & p-Xylene	0.200	0.1920		mg/Kg	96	70 - 130	11	35
o-Xylene	0.100	0.09911		mg/Kg	99	70 - 130	11	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

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

Lab Sample ID: MB 880-3136/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 3108

Prep Type: Total/NA

Prep Batch: 3136

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		05/14/21 15:47	05/15/21 00:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		05/14/21 15:47	05/15/21 00:26	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		05/14/21 15:47	05/15/21 00:26	1
Total TPH	<50.0	U	50.0	mg/Kg		05/14/21 15:47	05/15/21 00:26	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	05/14/21 15:47	05/15/21 00:26	1
o-Terphenyl	133	S1+	70 - 130	05/14/21 15:47	05/15/21 00:26	1

Lab Sample ID: LCS 880-3136/2-A Client Sample ID: Lab Control Sample

Matrix: Solid

(GRO)-C6-C10

Analysis Batch: 3108

Prep Type: Total/NA Prep Batch: 3136

	Spike	LCS	LCS				%Rec.
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	 1000	898.1		mg/Kg		90	70 - 130
(GRO)-C6-C10							
Diesel Range Organics (Over	1000	1059		mg/Kg		106	70 - 130
C10-C28)							

	LCS LCS	
Surrogate	%Recovery Qualifie	er Limits
1-Chlorooctane	104	70 - 130
o-Terphenyl	97	70 - 130

Lab Sample ID: LCSD 880-3136/3-A Matrix: Solid			(Client Sai	mple	ID: Lat	Control Prep Ty		•
Analysis Batch: 3108							Prep	Batch:	3136
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	889.0		ma/Ka		89	70 - 130		20

Job ID: 890-675-1 SDG: 31403236.005.0129

Project/Site: Row 4 Booster Pump

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued) Lab Sample ID: LCSD 880-3136/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA Prep Batch: 3136

Analysis Batch: 3108

LCSD LCSD Spike **RPD** %Rec. Added Result Qualifier Unit %Rec Limits RPD Limit

Diesel Range Organics (Over 1000 1061 mg/Kg 0 20

C10-C28)

Analyte

LCSD LCSD

	_002	_005	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	98		70 - 130

106 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-3181/1-A Client Sample ID: Method Blank **Matrix: Solid**

Prep Type: Soluble

Prep Type: Soluble

Analysis Batch: 3182

MB MB Result Qualifier

Analyzed Dil Fac Prepared

Client Sample ID: Lab Control Sample Dup

RL Chloride <5.00 U 5.00 05/18/21 12:26 mg/Kg

> **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Unit

Matrix: Solid

Analysis Batch: 3182

LCS LCS Spike %Rec. Analyte Added Result Qualifier Limits Unit D %Rec Chloride 250 252.8 mg/Kg 101 90 - 110

Lab Sample ID: LCSD 880-3181/3-A

Lab Sample ID: LCS 880-3181/2-A

Matrix: Solid

Analysis Batch: 3182

%Rec. RPD Spike LCSD LCSD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 249.8 100 mg/Kg 90 - 110

QC Association Summary

Client: WSP USA Inc.

Job ID: 890-675-1

Project/Site: Row 4 Booster Pump

SDG: 31403236.005.0129

GC VOA

Prep Batch: 3156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-3156/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 3157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-675-1	SS01	Total/NA	Solid	8021B	3158
890-675-2	SS02	Total/NA	Solid	8021B	3158
890-675-3	SS03	Total/NA	Solid	8021B	3158
890-675-4	SS04	Total/NA	Solid	8021B	3158
890-675-5	SS05	Total/NA	Solid	8021B	3158
MB 880-3156/5-A	Method Blank	Total/NA	Solid	8021B	3156
MB 880-3158/5-A	Method Blank	Total/NA	Solid	8021B	3158
LCS 880-3158/1-A	Lab Control Sample	Total/NA	Solid	8021B	3158
LCSD 880-3158/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	3158

Prep Batch: 3158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-675-1	SS01	Total/NA	Solid	5035	
890-675-2	SS02	Total/NA	Solid	5035	
890-675-3	SS03	Total/NA	Solid	5035	
890-675-4	SS04	Total/NA	Solid	5035	
890-675-5	SS05	Total/NA	Solid	5035	
MB 880-3158/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-3158/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-3158/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 3108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-675-1	SS01	Total/NA	Solid	8015B NM	3136
890-675-2	SS02	Total/NA	Solid	8015B NM	3136
890-675-3	SS03	Total/NA	Solid	8015B NM	3136
890-675-4	SS04	Total/NA	Solid	8015B NM	3136
890-675-5	SS05	Total/NA	Solid	8015B NM	3136
MB 880-3136/1-A	Method Blank	Total/NA	Solid	8015B NM	3136
LCS 880-3136/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	3136
LCSD 880-3136/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	3136

Prep Batch: 3136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-675-1	SS01	Total/NA	Solid	8015NM Prep	-
890-675-2	SS02	Total/NA	Solid	8015NM Prep	
890-675-3	SS03	Total/NA	Solid	8015NM Prep	
890-675-4	SS04	Total/NA	Solid	8015NM Prep	
890-675-5	SS05	Total/NA	Solid	8015NM Prep	
MB 880-3136/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-3136/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-3136/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

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QC Association Summary

 Client: WSP USA Inc.
 Job ID: 890-675-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

HPLC/IC

Leach Batch: 3181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-675-1	SS01	Soluble	Solid	DI Leach	
890-675-2	SS02	Soluble	Solid	DI Leach	
890-675-3	SS03	Soluble	Solid	DI Leach	
890-675-4	SS04	Soluble	Solid	DI Leach	
890-675-5	SS05	Soluble	Solid	DI Leach	
MB 880-3181/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-3181/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-3181/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 3182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-675-1	SS01	Soluble	Solid	300.0	3181
890-675-2	SS02	Soluble	Solid	300.0	3181
890-675-3	SS03	Soluble	Solid	300.0	3181
890-675-4	SS04	Soluble	Solid	300.0	3181
890-675-5	SS05	Soluble	Solid	300.0	3181
MB 880-3181/1-A	Method Blank	Soluble	Solid	300.0	3181
LCS 880-3181/2-A	Lab Control Sample	Soluble	Solid	300.0	3181
LCSD 880-3181/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	3181

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Project/Site: Row 4 Booster Pump

SDG: 31403236.005.0129

Lab Sample ID: 890-675-1

Matrix: Solid

Job ID: 890-675-1

Client Sample ID: SS01 Date Collected: 05/13/21 16:57 Date Received: 05/14/21 09:57

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3158	05/15/21 17:22	MR	XEN MID
Total/NA	Analysis	8021B		1	3157	05/16/21 14:03	MR	XEN MID
Total/NA	Prep	8015NM Prep			3136	05/14/21 15:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3108	05/15/21 05:18	AJ	XEN MID
Soluble	Leach	DI Leach			3181	05/17/21 15:21	CH	XEN MID
Soluble	Analysis	300.0		5	3182	05/18/21 13:13	СН	XEN MID

Client Sample ID: SS02 Lab Sample ID: 890-675-2 **Matrix: Solid**

Date Collected: 05/13/21 17:05 Date Received: 05/14/21 09:57

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3158	05/15/21 17:22	MR	XEN MID
Total/NA	Analysis	8021B		1	3157	05/16/21 14:23	MR	XEN MID
Total/NA	Prep	8015NM Prep			3136	05/14/21 15:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3108	05/15/21 06:00	AJ	XEN MID
Soluble	Leach	DI Leach			3181	05/17/21 15:21	СН	XEN MID
Soluble	Analysis	300.0		10	3182	05/18/21 13:28	CH	XEN MID

Client Sample ID: SS03 Lab Sample ID: 890-675-3

Date Collected: 05/13/21 17:31 **Matrix: Solid** Date Received: 05/14/21 09:57

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3158	05/15/21 17:22	MR	XEN MID
Total/NA	Analysis	8021B		1	3157	05/16/21 14:43	MR	XEN MID
Total/NA	Prep	8015NM Prep			3136	05/14/21 15:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3108	05/15/21 06:21	AJ	XEN MID
Soluble	Leach	DI Leach			3181	05/17/21 15:21	СН	XEN MID
Soluble	Analysis	300.0		1	3182	05/18/21 13:33	CH	XEN MID

Client Sample ID: SS04 Lab Sample ID: 890-675-4

Date Collected: 05/13/21 17:22 Matrix: Solid Date Received: 05/14/21 09:57

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3158	05/15/21 17:22	MR	XEN MID
Total/NA	Analysis	8021B		1	3157	05/16/21 15:04	MR	XEN MID
Total/NA	Prep	8015NM Prep			3136	05/14/21 15:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3108	05/15/21 06:41	AJ	XEN MID
Soluble	Leach	DI Leach			3181	05/17/21 15:21	СН	XEN MID
Soluble	Analysis	300.0		1	3182	05/18/21 13:38	CH	XEN MID

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-675-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: SS05 Lab Sample ID: 890-675-5 Date Collected: 05/13/21 17:31

Matrix: Solid

Date Received: 05/14/21 09:57

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			3158	05/15/21 17:22	MR	XEN MID
Total/NA	Analysis	8021B		1	3157	05/16/21 15:24	MR	XEN MID
Total/NA	Prep	8015NM Prep			3136	05/14/21 15:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	3108	05/15/21 07:02	AJ	XEN MID
Soluble	Leach	DI Leach			3181	05/17/21 15:21	CH	XEN MID
Soluble	Analysis	300.0		5	3182	05/18/21 13:44	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-675-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Laboratory: Eurofins Xenco, Midland

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

Authority Texas		rogram ELAP	T104704400-20-21	Expiration Date 06-30-21
The following analyte the agency does not o	•	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for w
Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	Total TPH	
8021B	5035	Solid	Total BTEX	

Method Summary

Client: WSP USA Inc.

Project/Site: Row 4 Booster Pump

Job ID: 890-675-1

SDG: 31403236.005.0129

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: Row 4 Booster Pump

Job ID: 890-675-1

SDG: 31403236.005.0129

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-675-1	SS01	Solid	05/13/21 16:57	05/14/21 09:57	0.5'
890-675-2	SS02	Solid	05/13/21 17:05	05/14/21 09:57	0.5'
890-675-3	SS03	Solid	05/13/21 17:31	05/14/21 09:57	0.5'
890-675-4	SS04	Solid	05/13/21 17:22	05/14/21 09:57	0.5'
890-675-5	SS05	Solid	05/13/21 17:31	05/14/21 09:57	0.5'

Address: City, State ZIP:

Company Name: Project Manager:

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Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334 **Chain of Custody**

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	Midland, Tx 79705	3300 North A Street	WSP Permian office	Dan Moir		BORATORIES
					Hobbs,NM (575-39	Midla
	City, State ZIP:	Address:	Company Name: XTO Energy	Bill to: (if different) Kyle Littrell	2-7550) Phoenix,AZ (nd,TX (432-704-5440)
	City, State ZIP: Carlsbad, NM, 88220	3104 e Green Street	XTO Energy	Kyle Littrell	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	Midland, TX (432-704-5440) EL Paso, TX (915)585-3443 Lubbock, TX (806)794-1296
	Reporting:Level II	State of Project:	Program: UST/PST RP Prownfields RC perfund			<i></i>
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oing: 2		nd the control otiated.	sctors. It assigns standard terms and conditions sses are due to circumstances beyond the control lil be enforced unless previously negotiated.	sed unless p	losses are du will be enforce	ent if such	s affiliates and by the clical states and st	Xenco, its es incurre b, but not a	mpany to or expens I to Xenco	y losses i submitted	ponsibility for an for each sample s	assume any res	of samples constitutes and shall not each project and	nquishment o cost of samp be applied to	prature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its artiliates and subcontractors. It assigns standard terms and conditions 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 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.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors, lot 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 a 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 e
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/202	Na Sr Ti Sn U V Zn	K Se Ag SiO2	Mn Mo Ni	Pb Mg	Cu Fe	Ca Cr Co	υς Β	As Ba Be		-1	RCRA 13PPM Texas 11 A	BRCRA 13PPM	ω	200.8 / 6020:	010 200.8	Total 200.7 / 6010
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je 20	Sample Comments	w						Chloric	TPH (E	Numb	Depth	Time Sampled	Date Sampled	Matrix	ntification	Sample Identification
of 2	<u> </u>	a	_									Total Containers:	Total	N/A	als: Yes	Sample Custody Seals
22	TAT starts the day recevied by the	TAT st	-	-	-	_ ,					12.0-	Correction Factor:	Correc	N/A	ls: Yes	Cooler Custody Seals:
			stody	hain of Cu	890-675 Chain of Custody						1)	NAG	17	f° ∣	(A)	Received Intact:
							-)		ners	Ō	Thermometer ID	1	11.8	7.0	Temperature (°C):
										•	(reg) No	Wet Ice:	X	Temp Blank:		SAMPLE RECEIPT
		_				_					ate:	Due Date	ee	Elliot Lee		Sampler's Name:
	Incident # NAPP2111644292	Incider				_						Rush:				P.O. Number:
	Cost Center 1084311001	Cost C									E P	Routine)5.0129	31403236.005.0129	31	Project Number:
	Work Order Notes	V	1	UEST	YSIS REQUEST	ANALY					Turn Around	Tur	er Pump	Row 4 Booster Pump	Ro	Project Name:
	Other:	EDD ADaPT	Deliverables: EL	Deliv			wsp.com	nings@	⟨alei.Jer	o.com, h	Email: Elliot.Lee@wsp.com, Kalei.Jennings@wsp.com	Email:		49	(432) 236-3849	Phone:
_] [<u>_</u>			220	Alai, oo	Callabad, Mill,		City, State Zir.			19100	Wildiand, 1x / 3/00	Oity, State Air.

Login Sample Receipt Checklist

 Client: WSP USA Inc.
 Job Number: 890-675-1

 SDG Number: 31403236.005.0129

List Source: Eurofins Xenco, Carlsbad

Login Number: 675 List Number: 1 Creator: Clifton, Cloe

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

N/A

True

N/A

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Sample Preservation Verified.

MS/MSDs

<6mm (1/4").

There is sufficient vol. for all requested analyses, incl. any requested

Containers requiring zero headspace have no headspace or bubble is

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-675-1 SDG Number: 31403236.005.0129

Login Number: 675 List Number: 2

List Source: Eurofins Xenco, Midland List Creation: 05/14/21 04:08 PM

Creator: Copeland, Tatiana

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-872-1

Laboratory Sample Delivery Group: 31403236.005.0129

Client Project/Site: Row 4 Booster Pump

For:

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

Attn: Dan Moir

MEAMER

Authorized for release by: 6/30/2021 4:19:09 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

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Released to Imaging: 2/10/2022 8:35:02 AM

www.eurofinsus.com/Env

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

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

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Client: WSP USA Inc.
Project/Site: Row 4 Booster Pump

Laboratory Job ID: 890-872-1
SDG: 31403236.005.0129

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-872-1 Project/Site: Row 4 Booster Pump

SDG: 31403236.005.0129

Qualifiers

GC VOA Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

Estimated Detection Limit (Dioxin) **EDL** LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level" Minimum Detectable Activity (Radiochemistry) MDA MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit Minimum Level (Dioxin) ML Most Probable Number MPN MQL Method Quantitation Limit

Not Calculated NC

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

NEG Negative / Absent Positive / Present POS

PQL Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

Reporting Limit or Requested Limit (Radiochemistry) RL

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

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Job ID: 890-872-1

Case Narrative

Client: WSP USA Inc.

Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Job ID: 890-872-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-872-1

Comments

No additional comments.

Receipt

The samples were received on 6/25/2021 9:53 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 was 2.8° C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: FS01 (890-872-1), FS02 (890-872-2), FS03 (890-872-3), FS04 (890-872-4), FS05 (890-872-5), FS06 (890-872-6), FS07 (890-872-7) and FS08 (890-872-8).

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: FS03 (890-872-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Internal standard responses were outside of acceptance limits for the following sample: FS02 (890-872-2). The sample(s) shows evidence of matrix interference.

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

GC Semi VOA

Method 8015B NM: The continuing calibration verification (CCV) associated with batch 880-4683 recovered above the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-4683/3).

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

General Chemistry

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

Organic Prep

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

VOA Prep

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

Matrix: Solid

Client: WSP USA Inc.

Job ID: 890-872-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: FS01 Lab Sample ID: 890-872-1

Date Collected: 06/24/21 14:00 Date Received: 06/25/21 09:53

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U F1	0.00200	mg/Kg		06/28/21 15:03	06/29/21 02:48	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 02:48	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 02:48	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 02:48	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 02:48	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 02:48	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 02:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			06/28/21 15:03	06/29/21 02:48	1
1,4-Difluorobenzene (Surr)	91		70 - 130			06/28/21 15:03	06/29/21 02:48	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7	mg/Kg		06/28/21 09:49	06/28/21 14:03	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7	mg/Kg		06/28/21 09:49	06/28/21 14:03	1
Oll Range Organics (Over C28-C36)	<49.7	U	49.7	mg/Kg		06/28/21 09:49	06/28/21 14:03	1
Total TPH	<49.7	U	49.7	mg/Kg		06/28/21 09:49	06/28/21 14:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130			06/28/21 09:49	06/28/21 14:03	1
o-Terphenyl	92		70 - 130			06/28/21 09:49	06/28/21 14:03	1

	Method: 300.0 - Anions, Ion Chrom	atography - Soluble						
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Į	Chloride	175	5.05	mg/Kg			06/29/21 21:54	1

Client Sample ID: FS02 Lab Sample ID: 890-872-2 Date Collected: 06/24/21 14:10 **Matrix: Solid**

Date Received: 06/25/21 09:53

Released to Imaging: 2/10/2022 8:35:02 AM

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		06/28/21 15:03	06/29/21 03:08	-
Toluene	<0.00202	U	0.00202	mg/Kg		06/28/21 15:03	06/29/21 03:08	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/28/21 15:03	06/29/21 03:08	•
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		06/28/21 15:03	06/29/21 03:08	
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/28/21 15:03	06/29/21 03:08	•
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		06/28/21 15:03	06/29/21 03:08	•
Total BTEX	<0.00404	U	0.00404	mg/Kg		06/28/21 15:03	06/29/21 03:08	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	122		70 - 130			06/28/21 15:03	06/29/21 03:08	
1,4-Difluorobenzene (Surr)	90		70 - 130			06/28/21 15:03	06/29/21 03:08	

Project/Site: Row 4 Booster Pump

Job ID: 890-872-1

SDG: 31403236.005.0129

Client Sample ID: FS02

Date Collected: 06/24/21 14:10 Date Received: 06/25/21 09:53 Lab Sample ID: 890-872-2 Matrix: Solid

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/29/21 14:59	06/29/21 16:27	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/29/21 14:59	06/29/21 16:27	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/29/21 14:59	06/29/21 16:27	1
Total TPH	<50.0	U	50.0	mg/Kg		06/29/21 14:59	06/29/21 16:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130			06/28/21 09:49	06/28/21 14:53	1
o-Terphenyl	115		70 - 130			06/28/21 09:49	06/28/21 14:53	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.8		5.04	mg/Kg			06/29/21 16:29	

Client Sample ID: FS03 Lab Sample ID: 890-872-3 Matrix: Solid

Date Collected: 06/24/21 14:20 Date Received: 06/25/21 09:53

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/28/21 15:03	06/29/21 03:28	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/28/21 15:03	06/29/21 03:28	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/28/21 15:03	06/29/21 03:28	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/28/21 15:03	06/29/21 03:28	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/28/21 15:03	06/29/21 03:28	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/28/21 15:03	06/29/21 03:28	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/28/21 15:03	06/29/21 03:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130			06/28/21 15:03	06/29/21 03:28	1
1,4-Difluorobenzene (Surr)	94		70 - 130			06/28/21 15:03	06/29/21 03:28	1
Method: 8015B NM - Diesel Ranç Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	
Analyte Gasoline Range Organics	• •	Qualifier	RL 50.0	Unit mg/Kg	<u>D</u>	Prepared 06/28/21 09:49	Analyzed 06/28/21 15:06	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U			<u>D</u>			1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U	50.0	mg/Kg	<u>D</u>	06/28/21 09:49 06/28/21 09:49	06/28/21 15:06 06/28/21 15:06	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	Qualifier U U	50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 09:49 06/28/21 09:49 06/28/21 09:49	06/28/21 15:06 06/28/21 15:06 06/28/21 15:06	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U U	50.0	mg/Kg	<u>D</u>	06/28/21 09:49 06/28/21 09:49	06/28/21 15:06 06/28/21 15:06	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 09:49 06/28/21 09:49 06/28/21 09:49	06/28/21 15:06 06/28/21 15:06 06/28/21 15:06	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 09:49 06/28/21 09:49 06/28/21 09:49 06/28/21 09:49	06/28/21 15:06 06/28/21 15:06 06/28/21 15:06 06/28/21 15:06	1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result	Qualifier U U U U	50.0 50.0 50.0 50.0 <i>Limits</i>	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 09:49 06/28/21 09:49 06/28/21 09:49 06/28/21 09:49 Prepared	06/28/21 15:06 06/28/21 15:06 06/28/21 15:06 06/28/21 15:06 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 <i>Limits</i> 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 09:49 06/28/21 09:49 06/28/21 09:49 06/28/21 09:49 Prepared 06/28/21 09:49	06/28/21 15:06 06/28/21 15:06 06/28/21 15:06 06/28/21 15:06 Analyzed 06/28/21 15:06	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 <i>Limits</i> 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 09:49 06/28/21 09:49 06/28/21 09:49 06/28/21 09:49 Prepared 06/28/21 09:49	06/28/21 15:06 06/28/21 15:06 06/28/21 15:06 06/28/21 15:06 Analyzed 06/28/21 15:06	Dil Fac 1 Dil Fac 1 Dil Fac 1 Dil Fac

Job ID: 890-872-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: FS04 Lab Sample ID: 890-872-4

Date Collected: 06/24/21 14:30 Matrix: Solid Date Received: 06/25/21 09:53

Sample Depth: - 1.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202		0.00202	mg/Kg		06/28/21 15:03	06/29/21 03:49	1
Toluene	<0.00202		0.00202	mg/Kg		06/28/21 15:03	06/29/21 03:49	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/28/21 15:03	06/29/21 03:49	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		06/28/21 15:03	06/29/21 03:49	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		06/28/21 15:03	06/29/21 03:49	1
Xylenes, Total	< 0.00403	U	0.00403	mg/Kg		06/28/21 15:03	06/29/21 03:49	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		06/28/21 15:03	06/29/21 03:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			06/28/21 15:03	06/29/21 03:49	1
1,4-Difluorobenzene (Surr)	95		70 - 130			06/28/21 15:03	06/29/21 03:49	1
- Method: 8015B NM - Diesel R	ange Organics (D	RO) (GC)						
Analyte	• • •	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		06/28/21 09:49	06/28/21 15:19	1

		- / \ - /						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		06/28/21 09:49	06/28/21 15:19	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/28/21 09:49	06/28/21 15:19	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/28/21 09:49	06/28/21 15:19	1
Total TPH	<49.8	U	49.8	mg/Kg		06/28/21 09:49	06/28/21 15:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
	Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Gasoline Range Organics <49.8 (GRO)-C6-C10 Diesel Range Organics (Over <49.8 C10-C28) OII Range Organics (Over C28-C36) <49.8 Total TPH <49.8	Analyte Result Qualifier Gasoline Range Organics <49.8	Analyte Result Qualifier RL Gasoline Range Organics <49.8	Analyte Result Qualifier RL Unit Gasoline Range Organics <49.8	Analyte Result Qualifier RL Unit D Gasoline Range Organics <49.8	Analyte Result Gualifier RL Unit D Prepared Gasoline Range Organics (GRO)-C6-C10 <49.8	Analyte Result Qualifier RL Unit D Prepared Analyzed Gasoline Range Organics (GRO)-C6-C10 <49.8

Surroyate	Mecovery Quanner	Liiiits	riepaieu	Allalyzeu	DII Fac
1-Chlorooctane	101	70 - 130	06/28/21 09:49	06/28/21 15:19	1
o-Terphenyl	106	70 - 130	06/28/21 09:49	06/28/21 15:19	1
Method: 300.0 - Anions, Ion Chron	natography - Soluble				

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 5.00 06/29/21 16:41 Chloride 467 mg/Kg **Client Sample ID: FS05** Lab Sample ID: 890-872-5

Date Collected: 06/24/21 15:00 Date Received: 06/25/21 09:53

Sample Depth: - 1.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 04:09	
Toluene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 04:09	•
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 04:09	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/28/21 15:03	06/29/21 04:09	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 04:09	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/28/21 15:03	06/29/21 04:09	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		06/28/21 15:03	06/29/21 04:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			06/28/21 15:03	06/29/21 04:09	1
1,4-Difluorobenzene (Surr)	97		70 - 130			06/28/21 15:03	06/29/21 04:09	1

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Matrix: Solid

Project/Site: Row 4 Booster Pump

Job ID: 890-872-1 SDG: 31403236.005.0129

Lab Sample ID: 890-872-5

Matrix: Solid

Date Collected: 06/24/21 15:00 Date Received: 06/25/21 09:53

Client Sample ID: FS05

Sample Depth: - 1.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		06/28/21 09:49	06/28/21 15:31	1
(GRO)-C6-C10	40.0		40.0			20/20/21 22 12	00/00/04 45 04	
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		06/28/21 09:49	06/28/21 15:31	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/28/21 09:49	06/28/21 15:31	1
Total TPH	<49.8	U	49.8	mg/Kg		06/28/21 09:49	06/28/21 15:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			06/28/21 09:49	06/28/21 15:31	1
o-Terphenyl	88		70 - 130			06/28/21 09:49	06/28/21 15:31	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72.0		5.05	mg/Kg			06/29/21 16:45	

Client Sample ID: FS06 Lab Sample ID: 890-872-6

Date Collected: 06/24/21 15:20 **Matrix: Solid**

Date Received: 06/25/21 09:53

Sample Depth: - 1.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 04:30	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 04:30	1
Ethylbenzene	< 0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 04:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/28/21 15:03	06/29/21 04:30	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 04:30	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/28/21 15:03	06/29/21 04:30	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		06/28/21 15:03	06/29/21 04:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/28/21 15:03	06/29/21 04:30	1
1,4-Difluorobenzene (Surr)	96		70 - 130			06/28/21 15:03	06/29/21 04:30	1
-		RO) (GC)	70 - 700			00,20,27,70.00	00/20/27/01/00	
	30		70 - 700			00,20,27 70.00	00/20/21/01/00	
Method: 8015B NM - Diesel Rang Analyte	ge Organics (D	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (D	Qualifier		Unit mg/Kg	<u>D</u>			Dil Fac
Method: 8015B NM - Diesel Rang Analyte	ge Organics (D	Qualifier U	RL		<u>D</u>	Prepared	Analyzed	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	ge Organics (D Result <49.7	Qualifier U	RL 49.7	mg/Kg	<u> </u>	Prepared 06/28/21 09:49	Analyzed 06/28/21 15:44	1
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (D Result <49.7	Qualifier U U	RL 49.7	mg/Kg	<u>D</u>	Prepared 06/28/21 09:49 06/28/21 09:49	Analyzed 06/28/21 15:44 06/28/21 15:44	1
Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	ge Organics (D Result <49.7 <49.7	Qualifier U U U U	RL 49.7 49.7 49.7	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 06/28/21 09:49 06/28/21 09:49 06/28/21 09:49	Analyzed 06/28/21 15:44 06/28/21 15:44	1
Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	ge Organics (D Result <49.7 <49.7 <49.7	Qualifier U U U U	RL 49.7 49.7 49.7 49.7	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 06/28/21 09:49 06/28/21 09:49 06/28/21 09:49 06/28/21 09:49	Analyzed 06/28/21 15:44 06/28/21 15:44 06/28/21 15:44 06/28/21 15:44	1 1 1 Dil Fac
Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	ge Organics (D Result <49.7 <49.7 <49.7 <49.7 %Recovery	Qualifier U U U U	RL 49.7 49.7 49.7 49.7 Limits	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 06/28/21 09:49 06/28/21 09:49 06/28/21 09:49 06/28/21 09:49 Prepared	Analyzed 06/28/21 15:44 06/28/21 15:44 06/28/21 15:44 06/28/21 15:44 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	ge Organics (D Result <49.7 <49.7 <49.7 <49.7 <49.7 %Recovery 105 120	Qualifier U U U Qualifier	RL 49.7 49.7 49.7 49.7 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared 06/28/21 09:49 06/28/21 09:49 06/28/21 09:49 06/28/21 09:49 Prepared 06/28/21 09:49	Analyzed 06/28/21 15:44 06/28/21 15:44 06/28/21 15:44 06/28/21 15:44 Analyzed 06/28/21 15:44	Dil Fac 1 1 1 1 Dil Fac

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06/29/21 16:50

mg/Kg

5.02

17.4

Chloride

Job ID: 890-872-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: FS07

Date Collected: 06/24/21 15:40 Date Received: 06/25/21 09:53

Sample Depth: - 1.5

Lab Sample ID: 890-872-7

06/28/21 09:49

Prepared

06/28/21 09:49

06/28/21 09:49

Prepared

D

06/28/21 15:57

Analyzed

06/28/21 15:57

06/28/21 15:57

Analyzed

06/29/21 17:04

Matrix: Solid

J	

Dil Fac

Dil Fac

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 04:50	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 04:50	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 04:50	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 04:50	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 04:50	1
Xylenes, Total	< 0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 04:50	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 04:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			06/28/21 15:03	06/29/21 04:50	1
1,4-Difluorobenzene (Surr)	94		70 - 130			06/28/21 15:03	06/29/21 04:50	1
- Method: 8015B NM - Diesel Rang	je Organics (Di	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/28/21 09:49	06/28/21 15:57	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/28/21 09:49	06/28/21 15:57	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	1.1	50.0	mg/Kg		06/28/21 09:49	06/28/21 15:57	

Client Sample ID: FS08 Lab Sample ID: 890-872-8 Date Collected: 06/24/21 16:00 **Matrix: Solid**

RL

5.01

50.0

Limits

70 - 130

70 - 130

mg/Kg

Unit

mg/Kg

<50.0 U

%Recovery Qualifier

102

105

9.61

Result Qualifier

Date Received: 06/25/21 09:53

Method: 300.0 - Anions, Ion Chromatography - Soluble

Sample Depth: - 1.5

Total TPH

Surrogate

o-Terphenyl

Analyte

Chloride

1-Chlorooctane

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/28/21 15:03	06/29/21 05:11	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/28/21 15:03	06/29/21 05:11	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/28/21 15:03	06/29/21 05:11	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/28/21 15:03	06/29/21 05:11	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/28/21 15:03	06/29/21 05:11	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/28/21 15:03	06/29/21 05:11	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/28/21 15:03	06/29/21 05:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			06/28/21 15:03	06/29/21 05:11	1
1,4-Difluorobenzene (Surr)	97		70 - 130			06/28/21 15:03	06/29/21 05:11	1

Matrix: Solid

Lab Sample ID: 890-872-8

Client Sample Results

Client: WSP USA Inc. Job ID: 890-872-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: FS08

Date Collected: 06/24/21 16:00 Date Received: 06/25/21 09:53

Sample Depth: - 1.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/28/21 09:49	06/28/21 16:09	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/28/21 09:49	06/28/21 16:09	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/28/21 09:49	06/28/21 16:09	1
Total TPH	<50.0	U	50.0	mg/Kg		06/28/21 09:49	06/28/21 16:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			06/28/21 09:49	06/28/21 16:09	1
o-Terphenyl	85		70 - 130			06/28/21 09:49	06/28/21 16:09	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		5.04	mg/Kg			06/29/21 17:09	

Surrogate Summary

 Client: WSP USA Inc.
 Job ID: 890-872-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits
		BFB1	DFBZ1	
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-872-1	FS01	108	91	
90-872-1 MS	FS01	102	92	
390-872-1 MSD	FS01	114	91	
90-872-2	FS02	122	90	
390-872-3	FS03	139 S1+	94	
390-872-4	FS04	110	95	
390-872-5	FS05	109	97	
390-872-6	FS06	110	96	
390-872-7	FS07	113	94	
90-872-8	FS08	114	97	
.CS 880-4710/1-A	Lab Control Sample	100	91	
CSD 880-4710/2-A	Lab Control Sample Dup	97	91	
/IB 880-4688/5-A	Method Blank	111	92	
MB 880-4710/5-A	Method Blank	112	91	
Surrogate Legend				
BFB = 4-Bromofluorobei	nzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-872-1	FS01	95	92	
890-872-1 MS	FS01	98	103	
890-872-1 MSD	FS01	85	92	
890-872-2	FS02	114	115	
890-872-3	FS03	96	91	
890-872-4	FS04	101	106	
890-872-5	FS05	98	88	
890-872-6	FS06	105	120	
890-872-7	FS07	102	105	
890-872-8	FS08	98	85	
LCS 880-4675/2-A	Lab Control Sample	109	108	
LCS 880-4709/2-A	Lab Control Sample	100	97	
LCSD 880-4675/3-A	Lab Control Sample Dup	106	102	
LCSD 880-4709/3-A	Lab Control Sample Dup	100	96	
MB 880-4675/1-A	Method Blank	95	95	
MB 880-4709/1-A	Method Blank	93	100	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Carlsbad

2

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12

13

Client: WSP USA Inc. Project/Site: Row 4 Booster Pump

Job ID: 890-872-1 SDG: 31403236.005.0129

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4688/5-A

Matrix: Solid

Analysis Batch: 4689

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4688

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/28/21 11:30	06/28/21 14:45	1

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130		06/28/21 11:30	06/28/21 14:45	1
1,4-Difluorobenzene (Surr)	92		70 - 130	C	06/28/21 11:30	06/28/21 14:45	1

Lab Sample ID: MB 880-4710/5-A

Matrix: Solid

Analysis Batch: 4689

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4710

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 02:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 02:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 02:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/28/21 15:03	06/29/21 02:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 02:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/28/21 15:03	06/29/21 02:19	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/28/21 15:03	06/29/21 02:19	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/28/21 15:03	06/29/21 02:19	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/28/21 15:03	06/29/21 02:19	1

Lab Sample ID: LCS 880-4710/1-A

Matrix: Solid

Analysis Batch: 4689

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 4710

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08844		mg/Kg		88	70 - 130	
Toluene	0.100	0.1060		mg/Kg		106	70 - 130	
Ethylbenzene	0.100	0.1106		mg/Kg		111	70 - 130	
m-Xylene & p-Xylene	0.200	0.2288		mg/Kg		114	70 - 130	
o-Xylene	0.100	0.1116		mg/Kg		112	70 - 130	
o-Xylene	0.100	0.1116		mg/Kg		112	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Client: WSP USA Inc. Project/Site: Row 4 Booster Pump

LCSD LCSD

%Recovery Qualifier

97 91

Job ID: 890-872-1 SDG: 31403236.005.0129

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

Lab Sample ID: LCSD 880-4710/2-A **Matrix: Solid**

Analysis Batch: 4689

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4710

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08999		mg/Kg		90	70 - 130	2	35
Toluene	0.100	0.1087		mg/Kg		109	70 - 130	2	35
Ethylbenzene	0.100	0.1115		mg/Kg		112	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2304		mg/Kg		115	70 - 130	1	35
o-Xylene	0.100	0.1120		mg/Kg		112	70 - 130	0	35

Limits 70 - 130

70 - 130

Client Sample ID: FS01 Prep Type: Total/NA

Prep Batch: 4710

Lab Sample ID: 890-872-1 MS

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Matrix: Solid

Surrogate

Analysis Batch: 4689

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1	0.0998	0.07708		mg/Kg		77	70 - 130	
Toluene	<0.00200	U	0.0998	0.09427		mg/Kg		94	70 - 130	
Ethylbenzene	<0.00200	U	0.0998	0.09692		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	< 0.00399	U	0.200	0.2015		mg/Kg		101	70 - 130	
o-Xylene	<0.00200	U	0.0998	0.09867		mg/Kg		99	70 - 130	

MS MS Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 102 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 92

Lab Sample ID: 890-872-1 MSD

Matrix: Solid

Analysis Batch: 4689

Client Sample ID: FS01 Prep Type: Total/NA Prep Batch: 4710

-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U F1	0.100	0.05740	F1	mg/Kg		57	70 - 130	29	35
Toluene	<0.00200	U	0.100	0.07802		mg/Kg		78	70 - 130	19	35
Ethylbenzene	<0.00200	U	0.100	0.08228		mg/Kg		82	70 - 130	16	35
m-Xylene & p-Xylene	<0.00399	U	0.200	0.1755		mg/Kg		88	70 - 130	14	35
o-Xylene	<0.00200	U	0.100	0.08964		mg/Kg		89	70 - 130	10	35

MSD MSD

Surrogate	%Recovery Qua	alifier Limits
4-Bromofluorobenzene (Surr)	114	70 - 130
1,4-Difluorobenzene (Surr)	91	70 - 130

QC Sample Results

Client: WSP USA Inc. Job ID: 890-872-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

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

Lab Sample ID: MB 880-4675/1-A

Matrix: Solid

Analysis Batch: 4683

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4675

	MB	мв							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/28/21 09:49	06/28/21 12:18	1	
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/28/21 09:49	06/28/21 12:18	1	
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/28/21 09:49	06/28/21 12:18	1	
Total TPH	<50.0	U	50.0	mg/Kg		06/28/21 09:49	06/28/21 12:18	1	

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	06/28/21 09:49	06/28/21 12:18	1
o-Terphenyl	95		70 - 130	06/28/21 09:49	06/28/21 12:18	1

Lab Sample ID: LCS 880-4675/2-A

Matrix: Solid

Analysis Batch: 4683

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 4675

LCS LCS Spike %Rec. Added Result Qualifier Analyte Unit %Rec Limits Gasoline Range Organics 1000 960.1 96 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 867.8 mg/Kg 70 - 130 C10-C28)

LCS LCS

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	109	70 - 130
o-Terphenvl	108	70 - 130

Lab Sample ID: LCSD 880-4675/3-A

Analysis Batch: 4683

Matrix: Solid

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 4675

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	955.3		mg/Kg		96	70 - 130	1	20	
(GRO)-C6-C10										
Diesel Range Organics (Over	1000	850.1		mg/Kg		85	70 - 130	2	20	
040,000)										

C10-C28)

	LCSD	LUSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 890-872-1 MS

Matrix: Solid

Analysis Batch: 4683

Client Sample ID: FS01

Prep Type: Total/NA

Prep Batch: 4675

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.7	U	999	891.4		mg/Kg		87	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over	<49.7	U	999	876.8		mg/Kg		86	70 - 130	
C10-C28)										

 Client: WSP USA Inc.
 Job ID: 890-872-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

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

MS MS

Lab Sample ID: 890-872-1 MS

Matrix: Solid

Client Sample ID: FS01

Prep Type: Total/NA

Matrix: Solid
Analysis Batch: 4683

Prep Type: Total/NA
Prep Batch: 4675

Surrogate	%Recovery Qualifie	er Limits
1-Chlorooctane	98	70 - 130
o-Terphenyl	103	70 - 130
Г		

Lab Sample ID: 890-872-1 MSD

Matrix: Solid

Client Sample ID: FS01

Prep Type: Total/NA

Matrix: Solid
Analysis Batch: 4683

Prep Type: Total/NA
Prep Batch: 4675

-	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.7	U	997	834.5		mg/Kg		82	70 - 130	7	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.7	U	997	760.5		mg/Kg		75	70 - 130	14	20
C10-C28)											

		MSD	MSD	
:	Surrogate	%Recovery	Qualifier	Limits
-	1-Chlorooctane	85		70 - 130
(o-Terphenyl	92		70 - 130

Lab Sample ID: MB 880-4709/1-A Client Sample ID: Method Blank

Matrix: Solid
Analysis Batch: 4725

MB MB

Prep Type: Total/NA
Prep Batch: 4709

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/28/21 14:59	06/29/21 12:16	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/28/21 14:59	06/29/21 12:16	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/28/21 14:59	06/29/21 12:16	1
Total TPH	<50.0	U	50.0	mg/Kg		06/28/21 14:59	06/29/21 12:16	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/28/21 14:5	9 06/29/21 12:16	1
o-Tembenyl	100		70 130	06/28/21 14:5	0 06/20/21 12:16	1

Lab Sample ID: LCS 880-4709/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 4725 Prep Batch: 4709
Spike LCS LCS %Rec.

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D %	6Rec	Limits	
Gasoline Range Organics	1000	949.3		mg/Kg		95	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	933.8		mg/Kg		93	70 - 130	
C10-C28)								

Dicoci i tarigo organico (over		1000
C10-C28)		
	LCS LCS	
Surrogate	%Recovery Qualify	ier Limits
1-Chlorooctane	100	70 - 130
o-Terphenvl	97	70 - 130

Eurofins Xenco, Carlsbad

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Lab Sample ID: LCSD 880-4709/3-A

Job ID: 890-872-1

Client: WSP USA Inc. Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

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

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 4709

Analysis Batch: 4725						Pre	p Batch:	: 4709	
	Spike	LCSD	LCSD			%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	1000	935.9		mg/Kg	94	70 - 130	1	20	
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	919.2		mg/Kg	92	70 - 130	2	20	

mg/Kg

C10-C28)

Matrix: Solid

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	96		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4676/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 4732

Diesel Range Organics (Over

мв мв Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 06/29/21 16:15

Lab Sample ID: LCS 880-4676/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 4732

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	234.8	-	mg/Kg		94	90 - 110	

Lab Sample ID: LCSD 880-4676/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4732

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	234.7		mg/Kg	_	94	90 - 110		20	

Lab Sample ID: 890-872-2 MS **Client Sample ID: FS02 Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 4732

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	16.8		252	252.8		ma/Ka		94	90 110	

Lab Sample ID: 890-872-2 MSD **Client Sample ID: FS02 Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 4732

7 mary or Datom 11 02												
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	16.8		252	253.3		ma/Ka		94	90 _ 110		20	

QC Sample Results

Client: WSP USA Inc. Job ID: 890-872-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-4677/1-A Client Sample ID: Method Blank

Matrix: Solid Prep Type: Soluble

Analysis Batch: 4733

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			06/29/21 18:55	1

Lab Sample ID: LCS 880-4677/2-A **Client Sample ID: Lab Control Sample Matrix: Solid**

Prep Type: Soluble

Analysis Batch: 4733

Spike LCS LCS %Rec. Added Result Qualifier Analyte Unit D %Rec Limits Chloride 250 234.5 mg/Kg 94 90 - 110

Lab Sample ID: LCSD 880-4677/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4733

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit Limits **RPD** Limit Chloride 250 235.1 90 - 110 mg/Kg

 Client: WSP USA Inc.
 Job ID: 890-872-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

GC VOA

Prep Batch: 4688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-4688/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 4689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-872-1	FS01	Total/NA	Solid	8021B	4710
890-872-2	FS02	Total/NA	Solid	8021B	4710
890-872-3	FS03	Total/NA	Solid	8021B	4710
890-872-4	FS04	Total/NA	Solid	8021B	4710
890-872-5	FS05	Total/NA	Solid	8021B	4710
890-872-6	FS06	Total/NA	Solid	8021B	4710
890-872-7	FS07	Total/NA	Solid	8021B	4710
890-872-8	FS08	Total/NA	Solid	8021B	4710
MB 880-4688/5-A	Method Blank	Total/NA	Solid	8021B	4688
MB 880-4710/5-A	Method Blank	Total/NA	Solid	8021B	4710
LCS 880-4710/1-A	Lab Control Sample	Total/NA	Solid	8021B	4710
LCSD 880-4710/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4710
890-872-1 MS	FS01	Total/NA	Solid	8021B	4710
890-872-1 MSD	FS01	Total/NA	Solid	8021B	4710

Prep Batch: 4710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-872-1	FS01	Total/NA	Solid	5035	
890-872-2	FS02	Total/NA	Solid	5035	
890-872-3	FS03	Total/NA	Solid	5035	
890-872-4	FS04	Total/NA	Solid	5035	
890-872-5	FS05	Total/NA	Solid	5035	
890-872-6	FS06	Total/NA	Solid	5035	
890-872-7	FS07	Total/NA	Solid	5035	
890-872-8	FS08	Total/NA	Solid	5035	
MB 880-4710/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4710/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4710/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-872-1 MS	FS01	Total/NA	Solid	5035	
890-872-1 MSD	FS01	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 4675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-872-1	FS01	Total/NA	Solid	8015NM Prep	
890-872-2	FS02	Total/NA	Solid	8015NM Prep	
890-872-3	FS03	Total/NA	Solid	8015NM Prep	
890-872-4	FS04	Total/NA	Solid	8015NM Prep	
890-872-5	FS05	Total/NA	Solid	8015NM Prep	
890-872-6	FS06	Total/NA	Solid	8015NM Prep	
890-872-7	FS07	Total/NA	Solid	8015NM Prep	
890-872-8	FS08	Total/NA	Solid	8015NM Prep	
MB 880-4675/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4675/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4675/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-872-1 MS	FS01	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

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 Client: WSP USA Inc.
 Job ID: 890-872-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

GC Semi VOA (Continued)

Prep Batch: 4675 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-872-1 MSD	FS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-872-1	FS01	Total/NA	Solid	8015B NM	4675
890-872-2	FS02	Total/NA	Solid	8015B NM	4675
890-872-3	FS03	Total/NA	Solid	8015B NM	4675
890-872-4	FS04	Total/NA	Solid	8015B NM	4675
890-872-5	FS05	Total/NA	Solid	8015B NM	4675
890-872-6	FS06	Total/NA	Solid	8015B NM	4675
890-872-7	FS07	Total/NA	Solid	8015B NM	4675
890-872-8	FS08	Total/NA	Solid	8015B NM	4675
MB 880-4675/1-A	Method Blank	Total/NA	Solid	8015B NM	4675
LCS 880-4675/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4675
LCSD 880-4675/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4675
890-872-1 MS	FS01	Total/NA	Solid	8015B NM	4675
890-872-1 MSD	FS01	Total/NA	Solid	8015B NM	4675

Prep Batch: 4709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-872-2	FS02	Total/NA	Solid	8015NM Prep	
MB 880-4709/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4709/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4709/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-872-2	FS02	Total/NA	Solid	8015B NM	4709
MB 880-4709/1-A	Method Blank	Total/NA	Solid	8015B NM	4709
LCS 880-4709/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4709
LCSD 880-4709/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4709

HPLC/IC

Leach Batch: 4676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-872-2	FS02	Soluble	Solid	DI Leach	_
890-872-3	FS03	Soluble	Solid	DI Leach	
890-872-4	FS04	Soluble	Solid	DI Leach	
890-872-5	FS05	Soluble	Solid	DI Leach	
890-872-6	FS06	Soluble	Solid	DI Leach	
890-872-7	FS07	Soluble	Solid	DI Leach	
890-872-8	FS08	Soluble	Solid	DI Leach	
MB 880-4676/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4676/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4676/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-872-2 MS	FS02	Soluble	Solid	DI Leach	
890-872-2 MSD	FS02	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

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Client: WSP USA Inc.

Job ID: 890-872-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

HPLC/IC

Leach Batch: 4677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-872-1	FS01	Soluble	Solid	DI Leach	
MB 880-4677/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4677/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4677/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 4732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-872-2	FS02	Soluble	Solid	300.0	4676
890-872-3	FS03	Soluble	Solid	300.0	4676
890-872-4	FS04	Soluble	Solid	300.0	4676
890-872-5	FS05	Soluble	Solid	300.0	4676
890-872-6	FS06	Soluble	Solid	300.0	4676
890-872-7	FS07	Soluble	Solid	300.0	4676
890-872-8	FS08	Soluble	Solid	300.0	4676
MB 880-4676/1-A	Method Blank	Soluble	Solid	300.0	4676
LCS 880-4676/2-A	Lab Control Sample	Soluble	Solid	300.0	4676
LCSD 880-4676/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4676
890-872-2 MS	FS02	Soluble	Solid	300.0	4676
890-872-2 MSD	FS02	Soluble	Solid	300.0	4676

Analysis Batch: 4733

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-872-1	FS01	Soluble	Solid	300.0	4677
MB 880-4677/1-A	Method Blank	Soluble	Solid	300.0	4677
LCS 880-4677/2-A	Lab Control Sample	Soluble	Solid	300.0	4677
LCSD 880-4677/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4677

Job ID: 890-872-1

SDG: 31403236.005.0129

Client Sample ID: FS01

Date Received: 06/25/21 09:53

Project/Site: Row 4 Booster Pump

Client: WSP USA Inc.

Lab Sample ID: 890-872-1 Date Collected: 06/24/21 14:00

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 02:48	MR	XEN MID
Total/NA	Prep	8015NM Prep			4675	06/28/21 09:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4683	06/28/21 14:03	AJ	XEN MID
Soluble	Leach	DI Leach			4677	06/28/21 10:23	CH	XEN MID
Soluble	Analysis	300.0		1	4733	06/29/21 21:54	CH	XEN MID

Client Sample ID: FS02 Lab Sample ID: 890-872-2 Date Collected: 06/24/21 14:10

Date Received: 06/25/21 09:53

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 03:08	MR	XEN MID
Total/NA	Prep	8015NM Prep			4675	06/28/21 09:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4683	06/28/21 14:53	AJ	XEN MID
Total/NA	Prep	8015NM Prep			4709	06/29/21 14:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4725	06/29/21 16:27	AM	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	СН	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 16:29	CH	XEN MID

Client Sample ID: FS03 Lab Sample ID: 890-872-3 Date Collected: 06/24/21 14:20

Date Received: 06/25/21 09:53

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 03:28	MR	XEN MID
Total/NA	Prep	8015NM Prep			4675	06/28/21 09:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4683	06/28/21 15:06	AJ	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	CH	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 16:36	CH	XEN MID

Client Sample ID: FS04 Lab Sample ID: 890-872-4 Date Collected: 06/24/21 14:30 **Matrix: Solid**

Date Received: 06/25/21 09:53

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 03:49	MR	XEN MID
Total/NA	Prep	8015NM Prep			4675	06/28/21 09:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4683	06/28/21 15:19	AJ	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	CH	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 16:41	CH	XEN MID

Client: WSP USA Inc. Job ID: 890-872-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: FS05 Lab Sample ID: 890-872-5 Date Collected: 06/24/21 15:00

Matrix: Solid

Date Received: 06/25/21 09:53

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 04:09	MR	XEN MID
Total/NA	Prep	8015NM Prep			4675	06/28/21 09:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4683	06/28/21 15:31	AJ	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	CH	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 16:45	CH	XEN MID

Client Sample ID: FS06 Lab Sample ID: 890-872-6 Matrix: Solid

Date Collected: 06/24/21 15:20 Date Received: 06/25/21 09:53

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 04:30	MR	XEN MID
Total/NA	Prep	8015NM Prep			4675	06/28/21 09:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4683	06/28/21 15:44	AJ	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	CH	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 16:50	CH	XEN MID

Client Sample ID: FS07 Lab Sample ID: 890-872-7

Date Collected: 06/24/21 15:40 **Matrix: Solid** Date Received: 06/25/21 09:53

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 04:50	MR	XEN MID
Total/NA	Prep	8015NM Prep			4675	06/28/21 09:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4683	06/28/21 15:57	AJ	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	СН	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 17:04	CH	XEN MID

Lab Sample ID: 890-872-8 **Client Sample ID: FS08**

Date Collected: 06/24/21 16:00 **Matrix: Solid** Date Received: 06/25/21 09:53

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 05:11	MR	XEN MID
Total/NA	Prep	8015NM Prep			4675	06/28/21 09:49	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4683	06/28/21 16:09	AJ	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	СН	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 17:09	CH	XEN MID

Laboratory References:

Released to Imaging: 2/10/2022 8:35:02 AM

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

Accreditation/Certification Summary

 Client: WSP USA Inc.
 Job ID: 890-872-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

Laboratory: Eurofins Xenco, Midland

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

Authority	Pre	ogram	Identification Number	Expiration Date
Texas	NE	LAP	T104704400-20-21	06-30-21
The following analytes:	are included in this report, but	t the laboratory is not certifi	ied by the governing authority. This list ma	v include analytes for
the agency does not off	' '	t the laboratory to not certain	led by the governing authority. This list his	ay include analytes for t
0 ,	' '	Matrix	Analyte	ay include analytes for t
the agency does not off	fer certification.	•	, , ,	

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Method Summary

Client: WSP USA Inc.

Method

8015B NM

8015NM Prep

8021B

300.0

5035

DI Leach

Project/Site: Row 4 Booster Pump

Method Description

Microextraction

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Job ID: 890-872-1

SDG: 31403236.005.0129

Protocol	Laboratory
SW846	XEN MID
SW846	XEN MID
MCAWW	XEN MID
S/N/846	VEN MID

SW846

ASTM

XEN MID XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: Row 4 Booster Pump

Job ID: 890-872-1

SDG: 31403236.005.0129

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-872-1	FS01	Solid	06/24/21 14:00	06/25/21 09:53	- 1
890-872-2	FS02	Solid	06/24/21 14:10	06/25/21 09:53	- 1
890-872-3	FS03	Solid	06/24/21 14:20	06/25/21 09:53	- 1
890-872-4	FS04	Solid	06/24/21 14:30	06/25/21 09:53	- 1.5
890-872-5	FS05	Solid	06/24/21 15:00	06/25/21 09:53	- 1.5
890-872-6	FS06	Solid	06/24/21 15:20	06/25/21 09:53	- 1.5
890-872-7	FS07	Solid	06/24/21 15:40	06/25/21 09:53	- 1.5
890-872-8	FS08	Solid	06/24/21 16:00	06/25/21 09:53	- 1.5

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Chain of Custody

Eurofins Xenco, Carlsbad

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eurofins Environment Testing

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Phone 575-988-3199 Fax 575-988-3199												1						İ	1]	America	Ca			
Client Information (Sub Contract Lab)	Sampler			Lab PM Kramer	ਦੂ <u>≼</u>	Jessica	ש				ĺ	Carr	Carrier Tracking No(s)	icking	No(s		.		8 C	COC No: 890-279	o: 79 1				ļ			
Client Contact Shipping/Receiving	Phone			E-Mail jessic	ය දිසි	ımer(@eu	ofine	E-Mail jessica kramer@eurofinset com			State	State of Origin: New Mexico	igin:					P _a	Page: Page '	Page: Page 1 of 1							
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Address 1211 W Florida Ave	Due Date Requested 6/30/2021	ed							Ana	Analysis Requested	Re	que	stec						, <u>,</u>	eser	vatio	Preservation Codes	des		.			
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Phone 432-704-5440(Tel)	PO #)	Belse inc	de											o (metalik	I O TI		를 알 오	<u>.</u>	ık ov 1-	H2S	\$200 04	į	Na2S2O3 H2SO4	
Email	WO#					8.360E3	Chlori											39°	<u> </u>		ce Di Water		< ⊂ -	Aceton	Acetone MCAA	July 1	ā	
Project Name: Row 4 Booster Pump	Project #: 89000004				NEWSTER THESE	BRIDE CV-IS	EACH	EX										ainer	X	@ @	EDTA EDA		N S	v pH	pH 4-5 other (specify)	cify)		
Site:	SSOW#:					SAM SAMOOTA	D/DI_L	alc B1										of con	HAStown for	Other:								
			Sample Type	Matrix (₩=water	iltered : m MS/M	DD_NM/8	RGFM_28	5035FP_0										lumber	I									
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Э.P	O=waste/oil, BT=Tissue, A=Air)		2005/01.45	300_C	8021B										Total	Mediless		Spec	<u>≅</u>	nstr	Special Instructions/Note)/snc	lote	-	
			Preserva	Preservation Code:	X		<u> </u>	1 1			1	diameter					-	V	*		H	W			$\ \ $	$\ 1\ $		Smurres
FS01 (890-872-1)	6/24/21	Mountain		Solid	_	×	×	×											- Jaka									
FS02 (890-872-2)	6/24/21	14 10 Mountain		Solid		×	×	×											Consul									
FS03 (890-872-3)	6/24/21	14 20 Mountain		Solid		×	×	×											Control 1									
FS04 (890-872-4)	6/24/21	14 30 Mountain		Solid		×	×	×										200	y vapation 20 beautiful and and									
FS05 (890-872-5)	6/24/21	15 00 Mountain		Solid	_	×	×	×										(alley	wasali									
FS06 (890-872-6)	6/24/21	15 20 Mountain		Solid		×	×	×										إعكس	M. Am									
FS07 (890-872-7)	6/24/21	15 40 Mountain		Solid		×	×	×								-												
FS08 (890-872-8)	6/24/21	16 00 Mountain		Solid		-	×	×																				
Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laborat maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC	places the ownership being analyzed the surn the signed Chain	p of method au samples must I of Custody att	nalyte & accrec oe shipped bac esting to said c	litation compliant k to the Eurofin	nce up is Xenc Eurofin	on out to LLC s Xen	subc labor	atory	t laboratori or other in	tories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco.	iis san ns wil	nple sl	nipme ovide	ntisfo d An	orwar / cha	ded u	nder to ac	chair credit	1-of-c ation	પ્પક્રાં ૧ statı	Jy lf∷ Js sho	the lai	borat e brou	ory do ught tc	es no Eurc	t curre	enco	
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Deliverable Requested V Other (specify)	Primary Deliverable Rank		2		S	pecia	il Ins	ructi	Special Instructions/QC Requirements	Requ	reme	nts.		Ì	l		1					l		ľ				1
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Custody Seals Intact Custody Seal No Δ Yes Δ No						ဂ္ဂ	oler T	educe	Cooler Temperature(s) °C	and Other Remarks)ther F	èmar	Ś		l	1	I		J		l		-		- 1			1

Ver 11/01/2020

Login Sample Receipt Checklist

Job Number: 890-872-1

SDG Number: 31403236.005.0129

Login Number: 872 List Source: Eurofins Xenco, Carlsbad

List Number: 1 Creator: Clifton, Cloe

Client: WSP USA Inc.

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 ampered 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	
s 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 <6 mm (1/4").	N/A	

Released to Imaging: 2/10/2022 8:35:02 AM

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-872-1

SDG Number: 31403236.005.0129

List Source: Eurofins Xenco, Midland

List Creation: 06/28/21 09:15 AM

List Number: 2 Creator: Copeland, Tatiana

Login Number: 872

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	True	

Released to Imaging: 2/10/2022 8:35:02 AM

<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-874-1

Laboratory Sample Delivery Group: 31403236.005.0129

Client Project/Site: Row 4 Booster Pump

For:

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

Attn: Dan Moir

MEAMER

Authorized for release by: 6/30/2021 4:23:21 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

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www.eurofinsus.com/Env

Released to Imaging: 2/10/2022 8:35:02 AM

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.

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Client: WSP USA Inc.
Project/Site: Row 4 Booster Pump

SDG:

Laboratory Job ID: 890-874-1 SDG: 31403236.005.0129

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-874-1 Project/Site: Row 4 Booster Pump

SDG: 31403236.005.0129

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier Qualifier Description

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

¤ Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid Colony Forming Unit CFU **CNF** Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) Limit of Quantitation (DoD/DOE) LOQ

MCL EPA recommended "Maximum Contaminant Level" MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

MDL Method Detection Limit MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit PRES Presumptive

QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

Toxicity Equivalent Factor (Dioxin) TFF Toxicity Equivalent Quotient (Dioxin) **TEQ**

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: Row 4 Booster Pump

Job ID: 890-874-1

SDG: 31403236.005.0129

Job ID: 890-874-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-874-1

Receipt

The samples were received on 6/25/2021 9:52 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 2.8°C

GC VOA

Method 8021B: Internal standard responses were outside of acceptance limits for the following samples: PH02 (890-874-3) and PH03A (890-874-6). The sample(s) shows evidence of matrix interference.

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

GC Semi VOA

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

HPLC/IC

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

Client Sample Results

Client: WSP USA Inc. Job ID: 890-874-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: PH01

Date Collected: 06/23/21 10:15 Date Received: 06/25/21 09:52

Sample Depth: - 1

Lab Sample ID: 890-874-1

Matrix: Solid

5	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 05:31	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 05:31	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 05:31	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/28/21 15:03	06/29/21 05:31	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 05:31	1
Xylenes, Total	< 0.00401	U	0.00401	mg/Kg		06/28/21 15:03	06/29/21 05:31	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/28/21 15:03	06/29/21 05:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/28/21 15:03	06/29/21 05:31	1
1,4-Difluorobenzene (Surr)	95		70 - 130			06/28/21 15:03	06/29/21 05:31	1
Method: 8015B NM - Diesel Ran Analyte	• •		RL	Unit	D	Prepared	Analyzed	Dil Fac
: -								
Analyte	Result	Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	
Analyte Gasoline Range Organics	• •	Qualifier	RL 49.7	<mark>Unit</mark> mg/Kg	<u>D</u>	Prepared 06/28/21 14:59	Analyzed 06/29/21 13:19	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U	49.7	mg/Kg	<u>D</u>	06/28/21 14:59	06/29/21 13:19	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U			<u>D</u>	<u>.</u>		1
Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U	49.7	mg/Kg	<u> </u>	06/28/21 14:59	06/29/21 13:19	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.7	Qualifier U U	49.7	mg/Kg	<u>D</u>	06/28/21 14:59 06/28/21 14:59	06/29/21 13:19 06/29/21 13:19	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.7 <49.7 <49.7 <49.7	Qualifier U U U U	49.7 49.7 49.7	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 14:59 06/28/21 14:59 06/28/21 14:59	06/29/21 13:19 06/29/21 13:19 06/29/21 13:19	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49	Qualifier U U U U	49.7 49.7 49.7 49.7	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 14:59 06/28/21 14:59 06/28/21 14:59 06/28/21 14:59	06/29/21 13:19 06/29/21 13:19 06/29/21 13:19 06/29/21 13:19	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 <49.7 %Recovery	Qualifier U U U U	49.7 49.7 49.7 49.7 Limits	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 14:59 06/28/21 14:59 06/28/21 14:59 06/28/21 14:59 Prepared	06/29/21 13:19 06/29/21 13:19 06/29/21 13:19 06/29/21 13:19 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	49.7 49.7 49.7 49.7 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 14:59 06/28/21 14:59 06/28/21 14:59 06/28/21 14:59 Prepared 06/28/21 14:59	06/29/21 13:19 06/29/21 13:19 06/29/21 13:19 06/29/21 13:19 Analyzed 06/29/21 13:19	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	49.7 49.7 49.7 49.7 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	D	06/28/21 14:59 06/28/21 14:59 06/28/21 14:59 06/28/21 14:59 Prepared 06/28/21 14:59	06/29/21 13:19 06/29/21 13:19 06/29/21 13:19 06/29/21 13:19 Analyzed 06/29/21 13:19	

Lab Sample ID: 890-874-2 Client Sample ID: PH01A Date Collected: 06/23/21 10:20 **Matrix: Solid**

Date Received: 06/25/21 09:52

Sample Depth: - 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 05:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 05:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 05:51	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 05:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 05:51	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 05:51	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 05:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			06/28/21 15:03	06/29/21 05:51	1
1,4-Difluorobenzene (Surr)	95		70 - 130			06/28/21 15:03	06/29/21 05:51	1

Lab Sample ID: 890-874-2

 Client: WSP USA Inc.
 Job ID: 890-874-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

Client Sample ID: PH01A

Date Collected: 06/23/21 10:20 Date Received: 06/25/21 09:52

Sample Depth: - 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		06/28/21 14:59	06/29/21 14:22	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/28/21 14:59	06/29/21 14:22	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/28/21 14:59	06/29/21 14:22	1
Total TPH	<49.9	U	49.9	mg/Kg		06/28/21 14:59	06/29/21 14:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130			06/28/21 14:59	06/29/21 14:22	1
o-Terphenyl	118		70 - 130			06/28/21 14:59	06/29/21 14:22	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22.4		5.01	mg/Kg			06/29/21 17:18	

Client Sample ID: PH02

Date Collected: 06/23/21 10:45

Lab Sample ID: 890-874-3

Matrix: Solid

Date Received: 06/25/21 09:52

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		06/28/21 15:03	06/29/21 07:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		06/28/21 15:03	06/29/21 07:41	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		06/28/21 15:03	06/29/21 07:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		06/28/21 15:03	06/29/21 07:41	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		06/28/21 15:03	06/29/21 07:41	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		06/28/21 15:03	06/29/21 07:41	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		06/28/21 15:03	06/29/21 07:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130			06/28/21 15:03	06/29/21 07:41	1
1,4-Difluorobenzene (Surr)	93		70 - 130			06/28/21 15:03	06/29/21 07:41	1
Method: 8015B NM - Diesel Rang								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier	RL	Unit mg/Kg	<u>D</u>	Prepared 06/28/21 14:59	Analyzed 06/29/21 14:42	Dil Fac
Analyte	Result	Qualifier U			<u>D</u>			1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result < 50.0	Qualifier U	50.0	mg/Kg	<u>D</u>	06/28/21 14:59	06/29/21 14:42	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result < 50.0	Qualifier U	50.0	mg/Kg	<u>D</u>	06/28/21 14:59	06/29/21 14:42	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 <50.0	Qualifier U U	50.0	mg/Kg	<u>D</u>	06/28/21 14:59 06/28/21 14:59	06/29/21 14:42 06/29/21 14:42	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0	Qualifier U U	50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 14:59 06/28/21 14:59 06/28/21 14:59	06/29/21 14:42 06/29/21 14:42 06/29/21 14:42	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0 50.0	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 14:59 06/28/21 14:59 06/28/21 14:59 06/28/21 14:59	06/29/21 14:42 06/29/21 14:42 06/29/21 14:42 06/29/21 14:42	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0 <50.0	Qualifier U U U U	50.0 50.0 50.0 50.0 <i>Limits</i>	mg/Kg mg/Kg mg/Kg	<u> </u>	06/28/21 14:59 06/28/21 14:59 06/28/21 14:59 06/28/21 14:59 Prepared	06/29/21 14:42 06/29/21 14:42 06/29/21 14:42 06/29/21 14:42 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 <i>Limits</i> 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 14:59 06/28/21 14:59 06/28/21 14:59 06/28/21 14:59 Prepared 06/28/21 14:59	06/29/21 14:42 06/29/21 14:42 06/29/21 14:42 06/29/21 14:42 Analyzed 06/29/21 14:42	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	50.0 50.0 50.0 50.0 <i>Limits</i> 70 - 130	mg/Kg mg/Kg mg/Kg	D_	06/28/21 14:59 06/28/21 14:59 06/28/21 14:59 06/28/21 14:59 Prepared 06/28/21 14:59	06/29/21 14:42 06/29/21 14:42 06/29/21 14:42 06/29/21 14:42 Analyzed 06/29/21 14:42	Dil Fac

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Client: WSP USA Inc.

Job ID: 890-874-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: PH02A

Date Collected: 06/23/21 10:50 Date Received: 06/25/21 09:52

Sample Depth: - 2

Lab Sampl	e ID:	890-87	4-4
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Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 08:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 08:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 08:01	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/28/21 15:03	06/29/21 08:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 08:01	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/28/21 15:03	06/29/21 08:01	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/28/21 15:03	06/29/21 08:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/28/21 15:03	06/29/21 08:01	1
1.4-Difluorobenzene (Surr)	98		70 - 130			06/28/21 15:03	06/29/21 08:01	1

	, ,	4			· ,	
4-Bromofluorobenzene (Surr)	110		70 - 130	06/28/21 15:03	06/29/21 08:01	
1,4-Difluorobenzene (Surr)	98		70 - 130	06/28/21 15:03	06/29/21 08:01	
Г., .,						

Method: 8015B NM - Dies	el Range Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/28/21 11:13	06/28/21 19:09	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/28/21 11:13	06/28/21 19:09	1
C10-C28)								
Oll Range Organics (Over C28-C	<50.0	U	50.0	mg/Kg		06/28/21 11:13	06/28/21 19:09	1
Total TPH	<50.0	U	50.0	mg/Kg		06/28/21 11:13	06/28/21 19:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

o-Terphenyl 112 70 - 130	06/28/21 11:13 06/28/21 19:09 1
1-Chlorooctane 104 70 - 130	06/28/21 11:13 06/28/21 19:09 1

4.96 06/29/21 17:24 Chloride 80.4 mg/Kg **Client Sample ID: PH03** Lab Sample ID: 890-874-5

RL

Unit

D

Prepared

Analyzed

Result Qualifier

Date Collected: 06/23/21 11:30 Date Received: 06/25/21 09:52

Sample Depth: - 1

Analyte

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 08:21	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 08:21	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 08:21	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 08:21	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 08:21	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 08:21	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 08:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			06/28/21 15:03	06/29/21 08:21	1
1,4-Difluorobenzene (Surr)	94		70 - 130			06/28/21 15:03	06/29/21 08:21	1

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Dil Fac

Matrix: Solid

Client Sample Results

Client: WSP USA Inc. Job ID: 890-874-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: PH03

Date Collected: 06/23/21 11:30 Date Received: 06/25/21 09:52

Sample Depth: - 1

Lab Sample ID: 890-874-5

Matrix: Solid

	ge Organics (DF	, , ,						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/28/21 11:13	06/28/21 19:31	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/28/21 11:13	06/28/21 19:31	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/28/21 11:13	06/28/21 19:31	1
Total TPH	<50.0	U	50.0	mg/Kg		06/28/21 11:13	06/28/21 19:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130			06/28/21 11:13	06/28/21 19:31	1
o-Terphenyl	83		70 - 130			06/28/21 11:13	06/28/21 19:31	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
			4.99	mg/Kg			06/29/21 17:38	

Client Sample ID: PH03A Lab Sample ID: 890-874-6 **Matrix: Solid**

Date Collected: 06/23/21 11:40 Date Received: 06/25/21 09:52

Sample Depth: - 2

	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00202	U	0.00202	mg/Kg		06/28/21 15:03	06/29/21 08:42	1
	Toluene	<0.00202	U	0.00202	mg/Kg		06/28/21 15:03	06/29/21 08:42	1
	Ethylbenzene	<0.00202	U	0.00202	mg/Kg		06/28/21 15:03	06/29/21 08:42	1
	m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		06/28/21 15:03	06/29/21 08:42	1
	o-Xylene	<0.00202	U	0.00202	mg/Kg		06/28/21 15:03	06/29/21 08:42	1
	Xylenes, Total	< 0.00403	U	0.00403	mg/Kg		06/28/21 15:03	06/29/21 08:42	1
	Total BTEX	<0.00403	U	0.00403	mg/Kg		06/28/21 15:03	06/29/21 08:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	06/28/21 15:03	06/29/21 08:42	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/28/21 15:03	06/29/21 08:42	1

Method: 8015B NM - Diesel R	ange Organics (DRO) (GC)
Analysta	Popult Qualifier

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		06/28/21 11:13	06/28/21 19:53	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.8	U	49.8	mg/Kg		06/28/21 11:13	06/28/21 19:53	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		06/28/21 11:13	06/28/21 19:53	1
Total TPH	<49.8	U	49.8	mg/Kg		06/28/21 11:13	06/28/21 19:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4.064			70 100			00/00/04 44 40	00/00/04 40 50	

1-Chlorooctane	99	70 - 130	06/28/21 11:13	06/28/21 19:53	1
o-Terphenyl	101	70 - 130	06/28/21 11:13	06/28/21 19:53	1
_					

Method: 300.0 - Anions, Ion C	hromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.6	4.98	mg/Kg			06/29/21 17:43	1

Client: WSP USA Inc.

Project/Site: Row 4 Booster Pump

Job ID: 890-874-1 SDG: 31403236.005.0129

Lab Sample ID: 890-874-7

Client Sample ID: PH04

Date Collected: 06/23/21 12:00 Date Received: 06/25/21 09:52

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 09:02	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 09:02	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 09:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 09:02	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 09:02	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 09:02	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		06/28/21 15:03	06/29/21 09:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			06/28/21 15:03	06/29/21 09:02	1
1,4-Difluorobenzene (Surr)	94		70 - 130			06/28/21 15:03	06/29/21 09:02	1

Method: 8015B NM - Diesel Rang	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		06/28/21 11:13	06/28/21 20:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/28/21 11:13	06/28/21 20:14	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/28/21 11:13	06/28/21 20:14	1
Total TPH	<50.0	U	50.0	mg/Kg		06/28/21 11:13	06/28/21 20:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			06/28/21 11:13	06/28/21 20:14	1
o-Terphenyl	111		70 - 130			06/28/21 11:13	06/28/21 20:14	1

Method: 300.0 - Anions, Ion Chro	matography - Soluble						
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	810	5.04	mg/Kg			06/29/21 17:57	1

Client Sample ID: PH04A

Date Collected: 06/23/21 12:10

Date Received: 06/25/21 09:52

Sample Depth: - 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 09:23	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 09:23	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 09:23	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		06/28/21 15:03	06/29/21 09:23	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 09:23	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		06/28/21 15:03	06/29/21 09:23	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		06/28/21 15:03	06/29/21 09:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130			06/28/21 15:03	06/29/21 09:23	1
1,4-Difluorobenzene (Surr)	98		70 - 130			06/28/21 15:03	06/29/21 09:23	1

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Lab Sample ID: 890-874-8

Matrix: Solid

Lab Sample ID: 890-874-8

Client Sample Results

 Client: WSP USA Inc.
 Job ID: 890-874-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

Client Sample ID: PH04A

Date Collected: 06/23/21 12:10 Date Received: 06/25/21 09:52

Sample Depth: - 2

Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		06/28/21 11:13	06/28/21 20:36	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		06/28/21 11:13	06/28/21 20:36	1
C10-C28)								
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		06/28/21 11:13	06/28/21 20:36	1
Total TPH	<49.9	U	49.9	mg/Kg		06/28/21 11:13	06/28/21 20:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130			06/28/21 11:13	06/28/21 20:36	1
o-Terphenyl	85		70 - 130			06/28/21 11:13	06/28/21 20:36	1
- Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.4		4.97	mg/Kg			06/29/21 18:02	1

Client Sample ID: PH05

Date Collected: 06/23/21 12:50

Lab Sample ID: 890-874-9

Matrix: Solid

Date Received: 06/25/21 09:52

Sample Depth: - 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 09:43	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 09:43	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 09:43	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/28/21 15:03	06/29/21 09:43	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 09:43	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/28/21 15:03	06/29/21 09:43	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		06/28/21 15:03	06/29/21 09:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			06/28/21 15:03	06/29/21 09:43	1
1,4-Difluorobenzene (Surr)	97		70 - 130			06/28/21 15:03	06/29/21 09:43	1
Method: 8015B NM - Diesel Rang Analyte	Result	Qualifier	RL	Unit ma/Ka	<u>D</u>	Prepared 06/28/21 11:13	Analyzed	
· · · · · · · · · · · · · · · · · · ·	•	Qualifier	RL 49.9	Unit mg/Kg	<u>D</u>	Prepared 06/28/21 11:13	Analyzed 06/28/21 20:58	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U			<u>D</u>			1
Analyte Gasoline Range Organics (GRO)-C6-C10		Qualifier U	49.9	mg/Kg	<u>D</u>	06/28/21 11:13	06/28/21 20:58	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.9	Qualifier U U	49.9	mg/Kg	<u>D</u>	06/28/21 11:13 06/28/21 11:13	06/28/21 20:58 06/28/21 20:58	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 11:13 06/28/21 11:13 06/28/21 11:13	06/28/21 20:58 06/28/21 20:58 06/28/21 20:58	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH	Result <49.9 <49.9 <49.9 <49.9 <49.9	Qualifier U U U U	49.9 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 11:13 06/28/21 11:13 06/28/21 11:13 06/28/21 11:13	06/28/21 20:58 06/28/21 20:58 06/28/21 20:58 06/28/21 20:58	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate	Result	Qualifier U U U U	49.9 49.9 49.9 49.9 Limits	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 11:13 06/28/21 11:13 06/28/21 11:13 06/28/21 11:13 Prepared	06/28/21 20:58 06/28/21 20:58 06/28/21 20:58 06/28/21 20:58 Analyzed	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result	Qualifier U U Qualifier Soluble	49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 11:13 06/28/21 11:13 06/28/21 11:13 06/28/21 11:13 Prepared 06/28/21 11:13	06/28/21 20:58 06/28/21 20:58 06/28/21 20:58 06/28/21 20:58 Analyzed 06/28/21 20:58	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result	Qualifier U U U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 11:13 06/28/21 11:13 06/28/21 11:13 06/28/21 11:13 Prepared 06/28/21 11:13	06/28/21 20:58 06/28/21 20:58 06/28/21 20:58 06/28/21 20:58 Analyzed 06/28/21 20:58	1 1 1 Dil Fac 1 1 Dil Fac 1 1

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Lab Sample ID: 890-874-10

Client Sample Results

Client: WSP USA Inc. Job ID: 890-874-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: PH05A

Date Collected: 06/23/21 13:00 Date Received: 06/25/21 09:52

Chloride

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 10:04	1
Toluene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 10:04	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 10:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		06/28/21 15:03	06/29/21 10:04	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		06/28/21 15:03	06/29/21 10:04	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		06/28/21 15:03	06/29/21 10:04	1
Total BTEX	<0.00402	U	0.00402	mg/Kg		06/28/21 15:03	06/29/21 10:04	1
	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Surrogate	/ortccovery	Quanno						
	108	Quamor	70 - 130			06/28/21 15:03	06/29/21 10:04	1
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	108 94							1
4-Bromofluorobenzene (Surr)	108 94 ge Organics (DI		70 - 130	Unit	D	06/28/21 15:03	06/29/21 10:04	
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang	108 94 ge Organics (DI	RO) (GC) Qualifier	70 - 130 70 - 130	<mark>Unit</mark> mg/Kg	<u>D</u>	06/28/21 15:03 06/28/21 15:03	06/29/21 10:04 06/29/21 10:04	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	108 94 ge Organics (DI Result	RO) (GC) Qualifier	70 - 130 70 - 130 RL		<u>D</u>	06/28/21 15:03 06/28/21 15:03 Prepared	06/29/21 10:04 06/29/21 10:04 Analyzed	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	ge Organics (DI Result <49.8	RO) (GC) Qualifier	70 - 130 70 - 130 RL 49.8	mg/Kg	<u>D</u>	06/28/21 15:03 06/28/21 15:03 Prepared 06/28/21 11:13	06/29/21 10:04 06/29/21 10:04 Mnalyzed 06/28/21 21:20	1 1 Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	ge Organics (DI Result <49.8	RO) (GC) Qualifier U	70 - 130 70 - 130 RL 49.8	mg/Kg	<u> </u>	06/28/21 15:03 06/28/21 15:03 Prepared 06/28/21 11:13	06/29/21 10:04 06/29/21 10:04 Malyzed 06/28/21 21:20	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	108 94 ge Organics (DI Result <49.8	RO) (GC) Qualifier U	70 - 130 70 - 130 RL 49.8	mg/Kg	D_	06/28/21 15:03 06/28/21 15:03 Prepared 06/28/21 11:13 06/28/21 11:13	06/29/21 10:04 06/29/21 10:04 06/29/21 10:04 Analyzed 06/28/21 21:20	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	108 94 ge Organics (DI Result <49.8 <49.8	RO) (GC) Qualifier U U U	70 - 130 70 - 130 RL 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 15:03 06/28/21 15:03 Prepared 06/28/21 11:13 06/28/21 11:13	06/29/21 10:04 06/29/21 10:04 06/29/21 10:04 Analyzed 06/28/21 21:20 06/28/21 21:20	Dil Fac
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	7 108 94 94 94 94 94 94 94 94 94 94 94 94 94	RO) (GC) Qualifier U U U	70 - 130 70 - 130 RL 49.8 49.8 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	06/28/21 15:03 06/28/21 15:03 Prepared 06/28/21 11:13 06/28/21 11:13 06/28/21 11:13	06/29/21 10:04 06/29/21 10:04 Analyzed 06/28/21 21:20 06/28/21 21:20 06/28/21 21:20	Dil Fac 1 1

mg/Kg

42.7

Eurofins Xenco, Carlsbad

06/29/21 20:48

Surrogate Summary

 Client: WSP USA Inc.
 Job ID: 890-874-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-874-1	PH01	110	95	
890-874-2	PH01A	108	95	
890-874-3	PH02	116	93	
890-874-4	PH02A	110	98	
890-874-5	PH03	113	94	
890-874-6	PH03A	124	93	
890-874-7	PH04	106	94	
890-874-8	PH04A	106	98	
890-874-9	PH05	110	97	
890-874-10	PH05A	108	94	
LCS 880-4710/1-A	Lab Control Sample	100	91	
LCSD 880-4710/2-A	Lab Control Sample Dup	97	91	
MB 880-4688/5-A	Method Blank	111	92	
MB 880-4710/5-A	Method Blank	112	91	
Surrogate Legend				
BFB = 4-Bromofluorober	nzene (Surr)			
DFBZ = 1,4-Difluoroben:	zene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-874-1	PH01	103	103	
890-874-1 MS	PH01	108	100	
890-874-1 MSD	PH01	96	86	
890-874-2	PH01A	117	118	
890-874-3	PH02	94	96	
890-874-4	PH02A	104	112	
890-874-5	PH03	82	83	
890-874-6	PH03A	99	101	
890-874-7	PH04	104	111	
890-874-8	PH04A	81	85	
890-874-9	PH05	105	112	
890-874-10	PH05A	98	97	
LCS 880-4687/2-A	Lab Control Sample	99	96	
LCS 880-4709/2-A	Lab Control Sample	100	97	
LCSD 880-4687/3-A	Lab Control Sample Dup	96	97	
LCSD 880-4709/3-A	Lab Control Sample Dup	100	96	
MB 880-4687/1-A	Method Blank	87	94	
MB 880-4709/1-A	Method Blank	93	100	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Carlsbad

2

3

4

7

a

11

12

14

6/20/20

Client: WSP USA Inc.

Job ID: 890-874-1

SDG: 31403236.005.0129

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-4688/5-A

Project/Site: Row 4 Booster Pump

Matrix: Solid

Analysis Batch: 4689

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4688

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/28/21 11:30	06/28/21 14:45	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/28/21 11:30	06/28/21 14:45	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/28/21 11:30	06/28/21 14:45	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/28/21 11:30	06/28/21 14:45	1

Lab Sample ID: MB 880-4710/5-A

Matrix: Solid

Analysis Batch: 4689

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4710

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 02:19	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 02:19	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 02:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		06/28/21 15:03	06/29/21 02:19	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/28/21 15:03	06/29/21 02:19	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/28/21 15:03	06/29/21 02:19	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		06/28/21 15:03	06/29/21 02:19	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/28/21 15:03	06/29/21 02:19	1
1,4-Difluorobenzene (Surr)	91		70 ₋ 130	06/28/21 15:03	06/29/21 02:19	1

Lab Sample ID: LCS 880-4710/1-A

Released to Imaging: 2/10/2022 8:35:02 AM

Matrix: Solid

Analysis Batch: 4689

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

Prep Batch: 4710

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08844		mg/Kg		88	70 - 130	
Toluene	0.100	0.1060		mg/Kg		106	70 - 130	
Ethylbenzene	0.100	0.1106		mg/Kg		111	70 - 130	
m-Xylene & p-Xylene	0.200	0.2288		mg/Kg		114	70 - 130	
o-Xylene	0.100	0.1116		mg/Kg		112	70 - 130	
o-Xylene	0.100	0.1116		mg/Kg		112	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Spike

Added

0.100

0.100

0.100

0.200

0.100

Job ID: 890-874-1

mg/Kg

mg/Kg

Client: WSP USA Inc. Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

0.2304

0.1120

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

Lab Sample ID: LCSD 880-4710/2-A

Matrix: Solid

Analysis Batch: 4689

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Client Sample ID: Lab Control Sample Dup

70 - 130

70 - 130

Prep Type: Total/NA

Pren Batch: 4710

					Fre	p batch	. 47 10	
LCSD	LCSD				%Rec.		RPD	
Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	i
0.08999		mg/Kg		90	70 - 130	2	35	
0.1087		mg/Kg		109	70 - 130	2	35	ı
0.1115		mg/Kg		112	70 - 130	1	35	

115

112

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1.4-Difluorobenzene (Surr)	91		70 - 130

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

Lab Sample ID: MB 880-4687/1-A

Matrix: Solid

Analysis Batch: 4696

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4687

MB MB Result Qualifier RL Unit D Dil Fac Analyte Prepared Analyzed <50.0 U Gasoline Range Organics 50.0 mg/Kg 06/28/21 11:13 06/28/21 12:31 (GRO)-C6-C10 06/28/21 12:31 Diesel Range Organics (Over <50.0 U 50.0 06/28/21 11:13 mg/Kg C10-C28) <50.0 U 50.0 06/28/21 11:13 06/28/21 12:31 OII Range Organics (Over C28-C36) mg/Kg Total TPH <50.0 U 50.0 06/28/21 11:13 06/28/21 12:31 mg/Kg

мв мв

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87	70 - 130	06/28/21 11:13	06/28/21 12:31	1
o-Terphenvl	94	70 - 130	06/28/21 11:13	06/28/21 12:31	1

Lab Sample ID: LCS 880-4687/2-A

Matrix: Solid

Analysis Batch: 4696

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 4687

	Spike	LCS	LUS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	852.6		mg/Kg		85	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	947.8		mg/Kg		95	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery Qual	ifier Limits
1-Chlorooctane	99	70 - 130
o-Terphenyl	96	70 - 130

Lab Sample ID: LCSD 880-4687/3-A

Matrix: Solid

Analysis Batch: 4696

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

Prep Batch: 4687

Spike LCSD LCSD %Rec. RPD Analyte Added Result Qualifier Unit %Rec Limits Limit Gasoline Range Organics 1000 815.9 mg/Kg 82 70 - 130

(GRO)-C6-C10

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35

Client: WSP USA Inc.

Project/Site: Row 4 Booster Pump

Job ID: 890-874-1 SDG: 31403236.005.0129

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

Lab Sample ID: LCSD 880-4687/3-A

Matrix: Solid

Analysis Batch: 4696

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

Prep Batch: 4687

Spike LCSD LCSD %Rec. **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D 1000 948.3 95 20 Diesel Range Organics (Over mg/Kg 70 - 1300

C10-C28)

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	96		70 - 130
o-Terphenyl	97		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 4709

Lab Sample ID: MB 880-4709/1-A **Matrix: Solid**

Analysis Batch: 4725

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		06/28/21 14:59	06/29/21 12:16	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		06/28/21 14:59	06/29/21 12:16	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/28/21 14:59	06/29/21 12:16	1
Total TPH	<50.0	U	50.0	mg/Kg		06/28/21 14:59	06/29/21 12:16	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/28/21 14:59	06/29/21 12:16	1
o-Terphenyl	100		70 - 130	06/28/21 14:59	06/29/21 12:16	1

Lab Sample ID: LCS 880-4709/2-A

Lab Sample ID: LCSD 880-4709/3-A

Matrix: Solid

Analysis Batch: 4725

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 4709

Spike LCS LCS %Rec. Added Qualifier Unit %Rec Analyte Result Limits 1000 949.3 95 70 - 130 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 933.8 mg/Kg 93 70 - 130

C10-C28)

LCS LCS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 100 70 - 130 70 - 130 o-Terphenyl 97

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 4709

Spike LCSD LCSD %Rec. RPD Added Result Qualifier Limit Analyte Limits RPD Unit D %Rec Gasoline Range Organics 1000 935.9 mg/Kg 94 70 - 13020 (GRO)-C6-C10 1000 919.2 mg/Kg 70 - 130 Diesel Range Organics (Over 92 2 20

C10-C28)

Matrix: Solid

Analysis Batch: 4725

LCSD LCSD

Surrogate %Recovery Qualifier Limits 1-Chlorooctane 70 - 130 100

C10-C28)

 Client: WSP USA Inc.
 Job ID: 890-874-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

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

LCSD LCSD

Lab Sample ID: LCSD 880-4709/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 4725 Prep Batch: 4709

Lab Sample ID: 890-874-1 MS

Client Sample ID: PH01

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 4725 Prep Batch: 4709

MS MS Sample Sample Spike %Rec. Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics <49.7 U 999 1133 mg/Kg 113 70 - 130 (GRO)-C6-C10 Diesel Range Organics (Over <49.7 U 999 1164 mg/Kg 117 70 - 130

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 108
 70 - 130

 o-Terphenyl
 100
 70 - 130

Lab Sample ID: 890-874-1 MSD

Client Sample ID: PH01

Matrix: Solid

Prep Type: Total/NA

Prep Type: Total/NA

Analysis Batch: 4725 Prep Batch: 4709 Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Added Qualifier RPD Analyte Result Unit %Rec Limits Limit Gasoline Range Organics <49.7 U 997 1010 101 70 - 130 11 20 mg/Kg

GRO)-C6-C10

Diesel Range Organics (Over <49.7 U 997 1013 mg/Kg 102 70 - 130 14 20 C10-C28)

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 96
 70 - 130

 o-Terphenyl
 86
 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-4676/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 4732

 MB

 Analyte
 Result
 Qualifier
 RL
 Unit
 D
 Prepared
 Analyzed
 Dil Fac

 Chloride
 <5.00</td>
 U
 5.00
 mg/Kg
 06/29/21 16:15
 1

Lab Sample ID: LCS 880-4676/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Soluble

Matrix: Solid
Analysis Batch: 4732

Spike LCS LCS %Rec. Analyte Added Result Qualifier Limits Unit %Rec Chloride 250 94 90 - 110 234.8 mg/Kg

QC Sample Results

Client: WSP USA Inc. Job ID: 890-874-1 Project/Site: Row 4 Booster Pump

SDG: 31403236.005.0129

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-4676/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4732

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	234.7		mg/Kg		94	90 - 110	0	20	

Lab Sample ID: 890-874-4 MS Client Sample ID: PH02A **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 4732

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	80.4		249	333.2		mg/Kg		102	90 - 110	

Lab Sample ID: 890-874-4 MSD Client Sample ID: PH02A Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 4732

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	80.4		249	335.9		mg/Kg		103	90 - 110	1	20

 Client: WSP USA Inc.
 Job ID: 890-874-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

GC VOA

Prep Batch: 4688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-4688/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 4689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-874-1	PH01	Total/NA	Solid	8021B	4710
890-874-2	PH01A	Total/NA	Solid	8021B	4710
890-874-3	PH02	Total/NA	Solid	8021B	4710
890-874-4	PH02A	Total/NA	Solid	8021B	4710
890-874-5	PH03	Total/NA	Solid	8021B	4710
890-874-6	PH03A	Total/NA	Solid	8021B	4710
890-874-7	PH04	Total/NA	Solid	8021B	4710
890-874-8	PH04A	Total/NA	Solid	8021B	4710
890-874-9	PH05	Total/NA	Solid	8021B	4710
890-874-10	PH05A	Total/NA	Solid	8021B	4710
MB 880-4688/5-A	Method Blank	Total/NA	Solid	8021B	4688
MB 880-4710/5-A	Method Blank	Total/NA	Solid	8021B	4710
LCS 880-4710/1-A	Lab Control Sample	Total/NA	Solid	8021B	4710
LCSD 880-4710/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4710

Prep Batch: 4710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-874-1	PH01	Total/NA	Solid	5035	
890-874-2	PH01A	Total/NA	Solid	5035	
890-874-3	PH02	Total/NA	Solid	5035	
890-874-4	PH02A	Total/NA	Solid	5035	
890-874-5	PH03	Total/NA	Solid	5035	
890-874-6	PH03A	Total/NA	Solid	5035	
890-874-7	PH04	Total/NA	Solid	5035	
890-874-8	PH04A	Total/NA	Solid	5035	
890-874-9	PH05	Total/NA	Solid	5035	
890-874-10	PH05A	Total/NA	Solid	5035	
MB 880-4710/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-4710/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-4710/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 4687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-874-4	PH02A	Total/NA	Solid	8015NM Prep	
890-874-5	PH03	Total/NA	Solid	8015NM Prep	
890-874-6	PH03A	Total/NA	Solid	8015NM Prep	
890-874-7	PH04	Total/NA	Solid	8015NM Prep	
890-874-8	PH04A	Total/NA	Solid	8015NM Prep	
890-874-9	PH05	Total/NA	Solid	8015NM Prep	
890-874-10	PH05A	Total/NA	Solid	8015NM Prep	
MB 880-4687/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4687/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4687/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

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Client: WSP USA Inc. Job ID: 890-874-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

GC Semi VOA

Analysis Batch: 4696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-874-4	PH02A	Total/NA	Solid	8015B NM	4687
890-874-5	PH03	Total/NA	Solid	8015B NM	4687
890-874-6	PH03A	Total/NA	Solid	8015B NM	4687
890-874-7	PH04	Total/NA	Solid	8015B NM	4687
890-874-8	PH04A	Total/NA	Solid	8015B NM	4687
890-874-9	PH05	Total/NA	Solid	8015B NM	4687
890-874-10	PH05A	Total/NA	Solid	8015B NM	4687
MB 880-4687/1-A	Method Blank	Total/NA	Solid	8015B NM	4687
LCS 880-4687/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4687
LCSD 880-4687/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4687

Prep Batch: 4709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-874-1	PH01	Total/NA	Solid	8015NM Prep	
890-874-2	PH01A	Total/NA	Solid	8015NM Prep	
890-874-3	PH02	Total/NA	Solid	8015NM Prep	
MB 880-4709/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-4709/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-4709/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-874-1 MS	PH01	Total/NA	Solid	8015NM Prep	
890-874-1 MSD	PH01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 4725

	a a				
Lab Sample ID	Client Sample ID	Prep Type	Matrix Matrix	Method	Prep Batch
890-874-1	PH01	Total/NA	Solid	8015B NM	4709
890-874-2	PH01A	Total/NA	Solid	8015B NM	4709
890-874-3	PH02	Total/NA	Solid	8015B NM	4709
MB 880-4709/1-A	Method Blank	Total/NA	Solid	8015B NM	4709
LCS 880-4709/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	4709
LCSD 880-4709/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	4709
890-874-1 MS	PH01	Total/NA	Solid	8015B NM	4709
890-874-1 MSD	PH01	Total/NA	Solid	8015B NM	4709

HPLC/IC

Leach Batch: 4676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-874-1	PH01	Soluble	Solid	DI Leach	_
890-874-2	PH01A	Soluble	Solid	DI Leach	
890-874-3	PH02	Soluble	Solid	DI Leach	
890-874-4	PH02A	Soluble	Solid	DI Leach	
890-874-5	PH03	Soluble	Solid	DI Leach	
890-874-6	PH03A	Soluble	Solid	DI Leach	
890-874-7	PH04	Soluble	Solid	DI Leach	
890-874-8	PH04A	Soluble	Solid	DI Leach	
890-874-9	PH05	Soluble	Solid	DI Leach	
890-874-10	PH05A	Soluble	Solid	DI Leach	
MB 880-4676/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-4676/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-4676/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-874-4 MS	PH02A	Soluble	Solid	DI Leach	

Client: WSP USA Inc. Job ID: 890-874-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

HPLC/IC (Continued)

Leach Batch: 4676 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-874-4 MSD	PH02A	Soluble	Solid	DI Leach	

Analysis Batch: 4732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-874-1	PH01	Soluble	Solid	300.0	4676
890-874-2	PH01A	Soluble	Solid	300.0	4676
890-874-3	PH02	Soluble	Solid	300.0	4676
890-874-4	PH02A	Soluble	Solid	300.0	4676
890-874-5	PH03	Soluble	Solid	300.0	4676
890-874-6	PH03A	Soluble	Solid	300.0	4676
890-874-7	PH04	Soluble	Solid	300.0	4676
890-874-8	PH04A	Soluble	Solid	300.0	4676
890-874-9	PH05	Soluble	Solid	300.0	4676
890-874-10	PH05A	Soluble	Solid	300.0	4676
MB 880-4676/1-A	Method Blank	Soluble	Solid	300.0	4676
LCS 880-4676/2-A	Lab Control Sample	Soluble	Solid	300.0	4676
LCSD 880-4676/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	4676
890-874-4 MS	PH02A	Soluble	Solid	300.0	4676
890-874-4 MSD	PH02A	Soluble	Solid	300.0	4676

Client: WSP USA Inc. Job ID: 890-874-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: PH01

Date Collected: 06/23/21 10:15 Date Received: 06/25/21 09:52 Lab Sample ID: 890-874-1

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 05:31	MR	XEN MID
Total/NA	Prep	8015NM Prep			4709	06/28/21 14:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4725	06/29/21 13:19	AM	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	CH	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 17:14	CH	XEN MID

Client Sample ID: PH01A Lab Sample ID: 890-874-2 Date Collected: 06/23/21 10:20 **Matrix: Solid**

Date Received: 06/25/21 09:52

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 05:51	MR	XEN MID
Total/NA	Prep	8015NM Prep			4709	06/28/21 14:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4725	06/29/21 14:22	AM	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	CH	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 17:18	CH	XEN MID

Client Sample ID: PH02 Lab Sample ID: 890-874-3

Date Collected: 06/23/21 10:45 **Matrix: Solid** Date Received: 06/25/21 09:52

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 07:41	MR	XEN MID
Total/NA	Prep	8015NM Prep			4709	06/28/21 14:59	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4725	06/29/21 14:42	AM	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	CH	XEN MID
Soluble	Analysis	300.0		10	4732	06/29/21 20:43	CH	XEN MID

Client Sample ID: PH02A Lab Sample ID: 890-874-4 Date Collected: 06/23/21 10:50

Date Received: 06/25/21 09:52

Batch		Batch	Batch		Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 08:01	MR	XEN MID
Total/NA	Prep	8015NM Prep			4687	06/28/21 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/28/21 19:09	AM	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	СН	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 17:24	CH	XEN MID

Eurofins Xenco, Carlsbad

Matrix: Solid

Released to Imaging: 2/10/2022 8:35:02 AM

Client: WSP USA Inc. Job ID: 890-874-1

Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129 **Client Sample ID: PH03**

Lab Sample ID: 890-874-5 Date Collected: 06/23/21 11:30 Matrix: Solid Date Received: 06/25/21 09:52

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 08:21	MR	XEN MID
Total/NA	Prep	8015NM Prep			4687	06/28/21 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/28/21 19:31	AM	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	CH	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 17:38	CH	XEN MID

Client Sample ID: PH03A Lab Sample ID: 890-874-6 Date Collected: 06/23/21 11:40 **Matrix: Solid**

Date Received: 06/25/21 09:52

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 08:42	MR	XEN MID
Total/NA	Prep	8015NM Prep			4687	06/28/21 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/28/21 19:53	AM	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	CH	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 17:43	CH	XEN MID

Client Sample ID: PH04 Lab Sample ID: 890-874-7

Date Collected: 06/23/21 12:00 **Matrix: Solid** Date Received: 06/25/21 09:52

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 09:02	MR	XEN MID
Total/NA	Prep	8015NM Prep			4687	06/28/21 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/28/21 20:14	AM	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	СН	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 17:57	CH	XEN MID

Client Sample ID: PH04A Lab Sample ID: 890-874-8 Date Collected: 06/23/21 12:10 **Matrix: Solid**

Date Received: 06/25/21 09:52

Prep Type	Batch Type	Batch	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
		Method						
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 09:23	MR	XEN MID
Total/NA	Prep	8015NM Prep			4687	06/28/21 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/28/21 20:36	AM	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	СН	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 18:02	CH	XEN MID

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-874-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: PH05

Lab Sample ID: 890-874-9

Date Collected: 06/23/21 12:50 Date Received: 06/25/21 09:52 Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 09:43	MR	XEN MID
Total/NA	Prep	8015NM Prep			4687	06/28/21 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/28/21 20:58	AM	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	CH	XEN MID
Soluble	Analysis	300.0		5	4732	06/29/21 18:07	CH	XEN MID

Lab Sample ID: 890-874-10

Client Sample ID: PH05A Date Collected: 06/23/21 13:00 Date Received: 06/25/21 09:52

Matrix: Solid

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4710	06/28/21 15:03	MR	XEN MID
Total/NA	Analysis	8021B		1	4689	06/29/21 10:04	MR	XEN MID
Total/NA	Prep	8015NM Prep			4687	06/28/21 11:13	DM	XEN MID
Total/NA	Analysis	8015B NM		1	4696	06/28/21 21:20	AM	XEN MID
Soluble	Leach	DI Leach			4676	06/28/21 10:15	CH	XEN MID
Soluble	Analysis	300.0		1	4732	06/29/21 20:48	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

 Client: WSP USA Inc.
 Job ID: 890-874-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

Laboratory: Eurofins Xenco, Midland

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

Authority	Pre	ogram	Identification Number	Expiration Date	
Texas	NE	LAP	T104704400-20-21	06-30-21	
The following analytes:	are included in this report, but	t the laboratory is not certifi	ied by the governing authority. This list ma	v include analytes for	
the agency does not off	' '	t the laboratory to not certain	led by the governing authority. This list his	ay include analytes for t	
0 ,	' '	Matrix	Analyte	ay include analytes for t	
the agency does not off	fer certification.	•	, , ,		

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Method Summary

Client: WSP USA Inc.

Project/Site: Row 4 Booster Pump

Job ID: 890-874-1

SDG: 31403236.005.0129

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Eurofins Xenco, Carlsbad

Sample Summary

Client: WSP USA Inc.

Project/Site: Row 4 Booster Pump

Job ID: 890-874-1

SDG: 31403236.005.0129

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-874-1	PH01	Solid	06/23/21 10:15	06/25/21 09:52	- 1
890-874-2	PH01A	Solid	06/23/21 10:20	06/25/21 09:52	- 2
890-874-3	PH02	Solid	06/23/21 10:45	06/25/21 09:52	- 1
890-874-4	PH02A	Solid	06/23/21 10:50	06/25/21 09:52	- 2
890-874-5	PH03	Solid	06/23/21 11:30	06/25/21 09:52	- 1
890-874-6	PH03A	Solid	06/23/21 11:40	06/25/21 09:52	- 2
890-874-7	PH04	Solid	06/23/21 12:00	06/25/21 09:52	- 1
890-874-8	PH04A	Solid	06/23/21 12:10	06/25/21 09:52	- 2
890-874-9	PH05	Solid	06/23/21 12:50	06/25/21 09:52	- 1
890-874-10	PH05A	Solid	06/23/21 13:00	06/25/21 09:52	- 2

Revised Date 051418 Rev. 2018.1		6					5
		4					3
6/25/4 4:36	N. TON	2 hollestelf	6/25/21 0936	6/	Beller	1 has	1 185. Cole
Date/Time	-	Relinquished by: (Signature)	Date/Time	re)	Received by: (Signature)	Signature)	Relinquished by: (Signature)
	lieso previously negonateu.	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 employed unless previously insurance.	nitted to Xenco, but not an	for each sample sub	each project and a charge of \$5	of \$75.00 will be applied to	of Xenco. A minimum charge
	and subcontractors. It assigns standard terms and conditions lept the standard terms and conditions then the standard terms and the control terms and the control terms and the standard terms and the standard terms and terms and terms are the standard terms and terms and terms are the standard terms and terms and terms and terms are the standard terms and terms and terms are the standard terms and terms and terms and terms are the standard term	mature of this document and relinquishment of samples constitutes a valid <u>purchase order from client company to Xenes, its efficients and subcontractors.</u> It assigns standard terms and conditions where the control is a subcontractor of the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are the control is a subcontractor of 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 control to the control is a subcontractor of 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 are not control to 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.	nt company to Xenes, its a	rchase order from cli sponsibility for any lo	Notice: Signature of this document and relinquishment of samples constitutes a valid <u>purchase order from client company to Xee</u> of service. Xenco with the tiatus only for the cost of samples and shall not assume any responsibility for any losses or expenses in	ument and relinquishment of ue only for the cost of sample	Notice: Signature of this doc
1631/245.1/4/0//4/1.19	Se Ag II U	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag		TCLP / SPLP 6010: 8RCRA		Circle Method(s) and Metal(s) to be analyzed	Circle Method(s)
SiO2		Cd Ca Cr Co Cu Fe Pb		PM Texas 11	8RCRA 13PPM	200.8 / 6020:	Total 200.7 / 6010
			44	7 3	1300	PHOSA V	A
				-	1250	PH05	PH
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Sample Comments			TPH (E BTEX (Depth	Date Time Sampled Sampled	X.	Sample identification
lab, if received by 4:30pm			EPA 0=		_	Yes No N/A	Sample Custody Seals:
TAT starts the day received by the			=802	Cont	ection Factor:		Cooler Custody Seals:
	4 Chain of Custody	890-874 Ch	_		Thermometer ID	⁴~	Temperature (°C):
				Yes No	Yes No Wet Ice:	Temp	SAMPLE RECEIPT
1pr 300 157 1045				Due Date: TZAD	3 DAY Due [Benjamin Belill	Sampler's Name: Be
11. 1084311001		-		Rush:	5	APP2111644292	P.O. Number:
				ισ □	17	31403236,005.	91:
Work Order Notes	ST	ANALYSIS REQUEST		Turn Around	Pumo	ROW 4 Booster	Name:
ADaPT Other:	Deliverables: EDD		מ	Email: bbelill@ltenv.com	Email:	432.236.3849	
ST/UST LR	Reporting:Level II Level III		Carlsbad, NM 88220	City, State ZIP:		Midland, TX 79705	te ZIP:
]	State of Project:		3104 E Green Street	Address:		3300 North A Street	
Brownfields RC Duperfund	Program: UST/PST _PRP		XTO Energy	Company Name:	Permian office	LT Environmental, Inc.,	
Work Order Comments	Wor		Kyle Littrell	Bill to: (if different)		Dan Moir	Project Manager: Da
www.xenco.com Page / of /	(813-620-2000) www.xe	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-6	480-355-0900) Atlanta,G.	7550) Phoenix,AZ (Hobbs, NM (575-392-		
>		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	Dallas,TX (214) 902-0300 EL Paso,TX (915)585-34	TX (281) 240-4200 I,TX (432-704-5440)	Houston, Midland	ABORATORIES	LABO
Work Order No:	Work (stody	Chain of Custody				

Eurofins Xenco, Carlsbad

1089 N Canal St

Carlsbad NM 88220 Phone 575-988-3199 Fax. 575-988-3199

Chain of Custody Record

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Environment Testing

State, Zip TX 79701 Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratory. 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 Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC. PH02A (890-874-4) mpty Kit Relinquished by Possible Hazard Identification ²H04A (890-874-8) PH02 (890-874-3) PH01A (890-874-2) PH01 (890-874-1) Row 4 Booster Pump Deliverable Requested I II III IV Other (specify) °H04 (890-874-7) чнозА (890-874-6) ³H03 (890-874-5) 1211 W Florida Ave Shipping/Receiving elinquished by elinquished by: 405 (890-874-9) ample Identification - Client ID (Lab ID) l32-704-5440(Tel) **/**Indiand alinquished by urofins Xenco ent Contact: ient Information X (Sub Contract Lab) Custody Seal No 8,0 Project #: 89000004 Phone: Sampler Date/Time Date/Time Primary Deliverable Rank 6/30/2021 Due Date Requested SSOW# TAT Requested (days) Sample Date 6/23/21 6/23/21 6/23/21 6/23/21 6/23/21 6/23/21 6/23/21 6/23/21 6/23/21 Mountain 10 50 Mountain 12 50 Mountain 12 10 Mountain 12:00 Mountain 11 40 Mountain 11 30 Mountain 10 45 Mountain 10 20 Date Sample 10 15 G=grab) (C=comp, Sample Preservation Code: Type BT=Tissue, A=A Company Company Company (W=water S=solid, O=waste/oil, Matrix Solid Solid Solid Solid Solid Solid Solid Solid Solid E-Mail: Kramer, Jessica jessica kramer@eurofinset com Lab PM Time Accreditations Required (See note)
NELAP - Louisrana NELAP - Texas Perform MS/MSD (Yes or No) Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Monte Special Instructions/QC Requirements Cooler Temperature(s) °C and Other Remarks Received by × \times × × × × × × 8015MOD NM/8015NM S Prep Full TPH \times × × × × × × \times 300_ORGFM_28D/DI_LEACH Chloride × × 8021B/5035FP_Calc BTEX × × × × × × × Analysis Requested State of Origin New Mexico Carrier Tracking No(s) Method of Shipmen Oate/Time ... _ Total Number of containers G Amchlor H Ascorbic Acid Page: Page 1 of 2 COC No: 890-279 1 Preservation Codes 390-874-1 lce
DI Water
EDTA
EDA NaOH
Zn Acetate
Nitric Acid
NaHSO4
MeOH
Amchlor 덛 Special Instructions/Note: ΝŞ Company M Hexane
V None
V NasNaO2
V Na2O4S
V Na2SO3
V Na2SO3
V Na2SO3 Company V pH 4-5 cther (specify) H2SO4
TSP Dodecahydrate
Acetone
MCAA Company

Ver 11/01/2020

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-874-1

SDG Number: 31403236.005.0129

List Source: Eurofins Xenco, Carlsbad

Login Number: 874 List Number: 1 Creator: Clifton, Cloe

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

Eurofins Xenco, Carlsbad

Released to Imaging: 2/10/2022 8:35:02 AM

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-874-1

SDG Number: 31403236.005.0129

List Source: Eurofins Xenco, Midland
List Number: 2
List Creation: 06/28/21 09:16 AM

Creator: Copeland, Tatiana

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	True	

-

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11

13

14

<6mm (1/4").



ANALYTICAL REPORT

Job Number: 890-882-1

SDG Number: 31403236.006.129

Job Description: Row 4 Booster

For:

WSP USA Inc.

2777 N. Stemmons Freeway

Suite 1600

Dallas, TX 75207

Attention: Dan Moir

Rad a. Beethold

Approved for release Chad Bechtold Project Manager 7/9/2021 6:23 PM

Designee for
Jessica Kramer, Project Manager
1211 W. Florida Ave, Midland, TX, 79701
jessica.kramer@eurofinset.com
07/09/2021
Revision: 1

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

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.

Eurofins Xenco, Carlsbad

1089 N Canal St., Carlsbad, NM 88220 Tel (575) 988-3199 Fax (575) 988-3199 <u>www.EurofinsUS.com</u>



890-882-5 Lab Sample ID: 890-882-1 890-882-2 890-882-3 890-882-4 Client Sample ID: FS09 FS10 FS11 FS12 FS13 **Depth:** 3.5 3.5 3.5 3.5 3.5 Solid Matrix: Solid Solid Solid Solid

Date Collected: 06/30/2021 13:48 06/30/2021 13:25 06/30/2021 13:23 06/30/2021 13:18 06/30/2021 13:20

Method: 8021B - Volatile Organic Compounds (GC)

I	Prepared:	07/01/2021	10:07	07/01/2021 1	10:07	07/01/2021	10:07	07/01/2021	10:07	07/01/2021 1	10:07
,	Analyzed:	07/02/2021	16:21	07/02/2021 1	16:41	07/02/2021	17:01	07/02/2021	17:22	07/02/2021 1	17:42
Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Benzene		<0.00200 U	0.00200	<0.00199 U	0.00199	<0.00200 U	0.00200	<0.00202 U	0.00202	<0.00201 U	0.00201
Toluene		<0.00200 U	0.00200	<0.00199 U	0.00199	<0.00200 U	0.00200	<0.00202 U	0.00202	<0.00201 U	0.00201
Ethylbenzene		<0.00200 U	0.00200	<0.00199 U	0.00199	<0.00200 U	0.00200	<0.00202 U	0.00202	<0.00201 U	0.00201
m-Xylene & p-Xylene		<0.00399 U	0.00399	<0.00398 U	0.00398	<0.00401 U	0.00401	<0.00403 U	0.00403	<0.00402 U	0.00402
o-Xylene		<0.00200 U	0.00200	<0.00199 U	0.00199	<0.00200 U	0.00200	<0.00202 U	0.00202	<0.00201 U	0.00201
Xylenes, Total		<0.00399 U	0.00399	<0.00398 U	0.00398	<0.00401 U	0.00401	<0.00403 U	0.00403	<0.00402 U	0.00402
Total BTEX		<0.00399 U	0.00399	<0.00398 U	0.00398	<0.00401 U	0.00401	<0.00403 U	0.00403	<0.00402 U	0.00402

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

Pr	epared:	07/01/2021	14:59	07/01/2021	14:59	07/01/2021	14:59	07/01/2021 1	14:59	07/01/2021	14:59
An	nalyzed:	07/01/2021 2	22:16	07/01/2021 2	23:19	07/01/2021 2	23:41	07/02/2021 0	00:02	07/02/2021 (00:23
Analyte l	Unit/RL:	mg/Kg	RL								
Gasoline Range Organio (GRO)-C6-C10	cs	<49.7 U	49.7	<49.9 U	49.9	<50.0 U	50.0	<49.8 U	49.8	<49.8 U	49.8
Diesel Range Organics (C10-C28)	(Over	<49.7 U	49.7	<49.9 U	49.9	<50.0 U	50.0	<49.8 U	49.8	<49.8 U	49.8
Oll Range Organics (Ov C28-C36)	er	<49.7 U	49.7	<49.9 U	49.9	<50.0 U	50.0	<49.8 U	49.8	<49.8 U	49.8
Total TPH		<49.7 U	49.7	<49.9 U	49.9	<50.0 U	50.0	<49.8 U	49.8	<49.8 U	49.8

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Analyzed:	07/07/202	1 09:35	07/07/202	07/07/2021 09:50		1 09:55	07/07/2021 10:00		07/09/202	11 15:01
Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Chloride		120 F1	4.98	69.0	5.04	41.4	5.05	70.5	4.98	49.9	5.00

890-882-10 Lab Sample ID: 890-882-6 890-882-7 890-882-8 890-882-9 Client Sample ID: FS14 FS15 FS16 FS17 FS18 **Depth:** 3.5 3.5 3.5 2 3.5 Solid Matrix: Solid Solid Solid Solid

Date Collected: 06/30/2021 13:22 06/30/2021 12:01 06/30/2021 12:00 06/30/2021 11:59 06/30/2021 11:58

Method: 8021B - Volatile Organic Compounds (GC)

1	Prepared:	07/01/2021	10:07	07/01/2021 1	15:44	07/01/2021	15:44	07/01/2021	15:44	07/01/2021 1	15:44
	Analyzed:	07/02/2021	18:03	07/02/2021 2	21:24	07/02/2021 2	21:45	07/02/2021 2	22:05	07/02/2021 2	22:25
Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Benzene		<0.00202 U	0.00202	<0.00200 U	0.00200	<0.00201 U	0.00201	<0.00200 U	0.00200	<0.00202 U	0.00202
Toluene		<0.00202 U	0.00202	<0.00200 U	0.00200	<0.00201 U	0.00201	<0.00200 U	0.00200	<0.00202 U	0.00202
Ethylbenzene		<0.00202 U	0.00202	<0.00200 U	0.00200	<0.00201 U	0.00201	<0.00200 U	0.00200	<0.00202 U	0.00202
m-Xylene & p-Xylene		<0.00403 U	0.00403	<0.00401 U	0.00401	<0.00402 U	0.00402	<0.00399 U	0.00399	<0.00403 U	0.00403
o-Xylene		<0.00202 U	0.00202	<0.00200 U	0.00200	<0.00201 U	0.00201	<0.00200 U	0.00200	<0.00202 U	0.00202
Xylenes, Total		<0.00403 U	0.00403	<0.00401 U	0.00401	<0.00402 U	0.00402	<0.00399 U	0.00399	<0.00403 U	0.00403
Total BTEX		<0.00403 U	0.00403	<0.00401 U	0.00401	<0.00402 U	0.00402	<0.00399 U	0.00399	<0.00403 U	0.00403

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

	Prepared:	07/01/2021	14:59	07/01/2021	14:59	07/01/2021	14:59	07/01/2021	14:59	07/01/2021 1	4:59
	Analyzed:	07/02/2021	00:44	07/02/2021	01:05	07/02/2021	01:26	07/02/2021	01:47	07/02/2021 0)2:08
Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Gasoline Range Org (GRO)-C6-C10	ganics	<49.7 U	49.7	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9	<49.9 U	49.9
Diesel Range Organ C10-C28)	nics (Over	<49.7 U	49.7	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9	<49.9 U	49.9
Oll Range Organics C28-C36)	(Over	<49.7 U	49.7	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9	<49.9 U	49.9
Total TPH		<49.7 U	49.7	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9	<49.9 U	49.9

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Analyzed:	07/07/202	1 10:19	07/07/202	1 10:24	07/07/202	21 10:29	07/07/202	21 10:34	07/07/202	21 10:39
Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Chloride		66.6	4.95	129	4.96	507	4.99	80.2	4.97	158	4.98

890-882-15 Lab Sample ID: 890-882-11 890-882-12 890-882-13 890-882-14 Client Sample ID: FS19 FS20 FS21 FS22 FS23 Depth: 2 3.5 3.5 3.5 3.5 Solid Solid Matrix: Solid Solid Solid

 Date Collected:
 06/30/2021 11:39
 06/30/2021 11:41
 06/30/2021 11:42
 06/30/2021 11:44
 06/30/2021 11:30

Method: 8021B - Volatile Organic Compounds (GC)

1	Prepared:	07/01/2021	15:44	07/01/2021 1	15:44	07/01/2021	15:44	07/01/2021 1	15:44	07/01/2021 1	15:44
	Analyzed:	07/02/2021 2	22:46	07/02/2021 2	23:06	07/02/2021 2	23:27	07/02/2021 2	23:47	07/03/2021 0	80:00
Analyte	Unit/RL:	mg/Kg	RL								
Benzene		<0.00202 U	0.00202	<0.00201 U	0.00201	<0.00200 U	0.00200	<0.00201 U	0.00201	<0.00200 U	0.00200
Toluene		<0.00202 U	0.00202	<0.00201 U	0.00201	<0.00200 U	0.00200	<0.00201 U	0.00201	<0.00200 U	0.00200
Ethylbenzene		<0.00202 U	0.00202	<0.00201 U	0.00201	<0.00200 U	0.00200	<0.00201 U	0.00201	<0.00200 U	0.00200
m-Xylene & p-Xylene		<0.00404 U	0.00404	<0.00402 U	0.00402	<0.00401 U	0.00401	<0.00402 U	0.00402	<0.00400 U	0.00400
o-Xylene		<0.00202 U	0.00202	<0.00201 U	0.00201	<0.00200 U	0.00200	<0.00201 U	0.00201	<0.00200 U	0.00200
Xylenes, Total		<0.00404 U	0.00404	<0.00402 U	0.00402	<0.00401 U	0.00401	<0.00402 U	0.00402	<0.00400 U	0.00400
Total BTFX		<0.00404 U	0.00404	<0.00402 U	0.00402	<0.00401 U	0.00401	<0.00402 U	0.00402	<0.00400 U	0.00400

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

	Prepared:	07/01/2021	14:59	07/01/2021	14:59	07/01/2021	14:59	07/01/2021	14:59	07/01/2021 1	14:59
	Analyzed:	07/02/2021 (02:50	07/02/2021	03:12	07/02/2021	03:33	07/02/2021 (03:54	07/02/2021 0	04:15
Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Gasoline Rang (GRO)-C6-C10		<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9	<50.0 U	50.0	<50.0 U	50.0
Diesel Range (C10-C28)	Organics (Over	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9	<50.0 U	50.0	<50.0 U	50.0
Oll Range Org	anics (Over	<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9	<50.0 U	50.0	<50.0 U	50.0
Total TPH		<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9	<50.0 U	50.0	<50.0 U	50.0

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Analyzed:	07/07/2021 10:44		07/07/2021 10:58		07/07/2021 11:03		07/07/2021 11:18		07/07/2021 11:23	
Analyte	Unit/RL:	mg/Kg	RL								
Chloride		19.1 F1	5.05	52.4	4.98	121	4.95	92.4	4.98	127	5.00

890-882-20 **Lab Sample ID:** 890-882-16 890-882-17 890-882-18 890-882-19 Client Sample ID: FS24 FS25 FS26 FS27 FS28 **Depth:** 3.5 3.5 2 2 3.5 Solid Matrix: Solid Solid Solid Solid

Date Collected: 06/30/2021 11:27 06/30/2021 11:25 06/30/2021 11:23 06/30/2021 11:05 06/30/2021 11:07

Method: 8021B - Volatile Organic Compounds (GC)

	Prepared:	07/01/2021	15:44	07/01/2021 1	15:44	07/01/2021	15:44	07/01/2021	15:44	07/01/2021 1	15:44
	Analyzed:	07/03/2021 (00:28	07/03/2021 0	1:49	07/03/2021 (02:10	07/03/2021 ()2:30	07/03/2021 0)2:51
Analyte	Unit/RL:	mg/Kg	RL								
Benzene		<0.00200 U	0.00200								
Toluene		<0.00200 U	0.00200								
Ethylbenzene		<0.00200 U	0.00200								
m-Xylene & p-Xylene		<0.00399 U	0.00399	<0.00401 U	0.00401	<0.00399 U	0.00399	<0.00399 U	0.00399	<0.00401 U	0.00401
o-Xylene		<0.00200 U	0.00200								
Xylenes, Total		<0.00399 U	0.00399	<0.00401 U	0.00401	<0.00399 U	0.00399	<0.00399 U	0.00399	<0.00401 U	0.00401
Total BTFX		<0.00399 U	0.00399	<0.00401 U	0.00401	<0.00399 U	0.00399	<0.00399 U	0.00399	<0.00401 U	0.00401

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

Prepared:	07/01/2021	14:59	07/01/2021 1	14:59	07/01/2021	14:59	07/01/2021 1	4:59	07/01/2021 1	4:59
Analyzed:	07/02/2021 (04:36	07/02/2021 0)4:57	07/02/2021 (05:19	07/02/2021 0	5:40	07/02/2021 0)6:01
Analyte Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Gasoline Range Organics (GRO)-C6-C10	<49.8 U	49.8	<50.0 U	50.0	<49.9 U	49.9	<49.9 U	49.9	<49.8 U	49.8
Diesel Range Organics (Over C10-C28)	<49.8 U	49.8	<50.0 U	50.0	<49.9 U	49.9	<49.9 U	49.9	<49.8 U	49.8
Oll Range Organics (Over C28-C36)	<49.8 U	49.8	<50.0 U	50.0	<49.9 U	49.9	<49.9 U	49.9	<49.8 U	49.8
Total TPH	<49.8 U	49.8	<50.0 U	50.0	<49.9 U	49.9	<49.9 U	49.9	<49.8 U	49.8

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Analyzed:	07/07/202	1 11:28	07/07/2021	1 11:32	07/07/202	1 11:37	07/07/202	1 11:42	07/07/202	1 11:47
Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Chloride		103	5.04	106	5.02	17.9	4.98	18.8	4.99	67.2	5.05

Lab Sample ID: 890-882-21 890-882-22 890-882-23 890-882-24 Client Sample ID: FS29 FS30 FS31 FS32 Depth: 3.5 3.5 2 2 Matrix: Solid Solid Solid Solid

Date Collected: 06/30/2021 11:09 06/30/2021 11:11 06/30/2021 10:25 06/30/2021 10:27

Method: 8021B - Volatile Organic Compounds (GC)

F	Prepared:	07/01/2021 1	15:44	07/01/2021 1	5:44	07/01/2021 1	15:44	07/01/2021 1	5:44
,	Analyzed:	07/03/2021 03:11		07/03/2021 03:31		07/03/2021 03:52		07/03/2021 0)4:12
Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Benzene		<0.00200 U	0.00200	<0.00201 U	0.00201	<0.00202 U	0.00202	<0.00202 U	0.00202
Toluene		<0.00200 U	0.00200	<0.00201 U	0.00201	<0.00202 U	0.00202	<0.00202 U	0.00202
Ethylbenzene		<0.00200 U	0.00200	<0.00201 U	0.00201	<0.00202 U	0.00202	<0.00202 U	0.00202
m-Xylene & p-Xylene		<0.00399 U	0.00399	<0.00402 U	0.00402	<0.00404 U	0.00404	<0.00403 U	0.00403
o-Xylene		<0.00200 U	0.00200	<0.00201 U	0.00201	<0.00202 U	0.00202	<0.00202 U	0.00202
Xylenes, Total		<0.00399 U	0.00399	<0.00402 U	0.00402	<0.00404 U	0.00404	<0.00403 U	0.00403
Total BTFX		<0.00399 U	0.00399	<0.00402 U	0.00402	<0.00404 U	0.00404	<0.00403 U	0.00403

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

Prepared:	07/02/2021 (7:59	07/02/2021 0	7:59	07/01/2021 1	5:30	07/01/2021	15:30
Analyzed:	07/06/2021	13:29	07/06/2021 1	4:32	07/01/2021 2	20:10	07/01/2021	20:31
Analyte Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Gasoline Range Organics (GRO)-C6-C10	<49.7 U	49.7	<49.9 U	49.9	<49.9 U	49.9	<49.8 U	49.8
Diesel Range Organics (Over C10-C28)	<49.7 U	49.7	<49.9 U	49.9	<49.9 U	49.9	<49.8 U	49.8
Oll Range Organics (Over C28-C36)	<49.7 U	49.7	<49.9 U	49.9	<49.9 U	49.9	<49.8 U	49.8
Total TPH	<49.7 U	49.7	<49.9 U	49.9	<49.9 U	49.9	<49.8 U	49.8

Method: 300.0 - Anions, Ion Chromatography - Soluble

	Analyzed:	07/02/2021 21:02		07/02/202	07/02/2021 21:07		07/02/2021 21:13		1 21:18
Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Chloride		48.5	4.98	46.1	4.97	26.7	5.01	81.7	5.03

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1213-1

Laboratory Sample Delivery Group: 31403236.005.0129

Client Project/Site: Row 4 Booster Pump

For:

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

Attn: Dan Moir

MEAMER

Authorized for release by: 9/3/2021 6:28:26 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

.....LINKS

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Released to Imaging: 2/10/2022 8:35:02 AM

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.

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Client: WSP USA Inc.

Laboratory Job ID: 890-1213-1

Project/Site: Row 4 Booster Pump

SDG: 31403236.005.0129

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1213-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution. Re-analysis. Re-extraction. or additional Initial metals/anion analysis of the sample

DLC Decision Level Concentration (Radiochemistry) EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE) MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry) MDL Method Detection Limit

ML Minimum Level (Dioxin) Most Probable Number MPN MQL Method Quantitation Limit

Not Calculated NC

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

NFG Negative / Absent POS Positive / Present **PQL** Practical Quantitation Limit

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

Toxicity Equivalent Factor (Dioxin) TEF **TEQ** Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Eurofins Xenco, Carlsbad

Case Narrative

Client: WSP USA Inc.

Project/Site: Row 4 Booster Pump

Job ID: 890-1213-1

SDG: 31403236.005.0129

Job ID: 890-1213-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1213-1

Receipt

The samples were received on 9/2/2021 1:47 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 3.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7477 and analytical batch 880-7486 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

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

HPLC/IC

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

Client: WSP USA Inc. Job ID: 890-1213-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Client Sample ID: SW01

Date Collected: 09/02/21 09:40 Date Received: 09/02/21 13:47

Sample Depth: 0 - 3.5

Lab Sample ID: 890-1213-1

Matrix: Solid

٦	,

Dil Fac

Matrix: Solid

Method: 8021B - Volatile Organic	Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		09/03/21 09:33	09/03/21 14:15	1
Toluene	<0.00202	U	0.00202	mg/Kg		09/03/21 09:33	09/03/21 14:15	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		09/03/21 09:33	09/03/21 14:15	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		09/03/21 09:33	09/03/21 14:15	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		09/03/21 09:33	09/03/21 14:15	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		09/03/21 09:33	09/03/21 14:15	1
Total BTEX	<0.00404	U	0.00404	mg/Kg		09/03/21 09:33	09/03/21 14:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			09/03/21 09:33	09/03/21 14:15	1
1,4-Difluorobenzene (Surr)	98		70 - 130			09/03/21 09:33	09/03/21 14:15	1
- Method: 8015B NM - Diesel Rang	je Organics (Di	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		09/03/21 11:10	09/03/21 14:05	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U	49.9	mg/Kg		09/03/21 11:10	09/03/21 14:05	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/03/21 11:10	09/03/21 14:05	1

Method: 300.0 - Anions, Ion Chror	natography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		5.03	mg/Kg			09/03/21 17:14	1
Client Sample ID: SW02						Lab Sa	mple ID: 890-	1213-2

49.9

Limits

70 - 130

70 - 130

mg/Kg

09/03/21 11:10

Prepared

09/03/21 11:10

09/03/21 11:10

09/03/21 14:05

Analyzed

09/03/21 14:05

09/03/21 14:05

<49.9 U

%Recovery Qualifier

104

113

Date Collected: 09/02/21 10:25 Date Received: 09/02/21 13:47

Sample Depth: 0 - 3.5

Total TPH

Surrogate

o-Terphenyl

1-Chlorooctane

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/03/21 09:33	09/03/21 14:35	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/03/21 09:33	09/03/21 14:35	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/03/21 09:33	09/03/21 14:35	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		09/03/21 09:33	09/03/21 14:35	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/03/21 09:33	09/03/21 14:35	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		09/03/21 09:33	09/03/21 14:35	1
Total BTEX	<0.00401	U	0.00401	mg/Kg		09/03/21 09:33	09/03/21 14:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130			09/03/21 09:33	09/03/21 14:35	1
1,4-Difluorobenzene (Surr)	99		70 - 130			09/03/21 09:33	09/03/21 14:35	1

Eurofins Xenco, Carlsbad

Matrix: Solid

Lab Sample ID: 890-1213-2

Client Sample Results

 Client: WSP USA Inc.
 Job ID: 890-1213-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

Client Sample ID: SW02

Date Collected: 09/02/21 10:25 Date Received: 09/02/21 13:47

Sample Depth: 0 - 3.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		09/03/21 11:10	09/03/21 14:27	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		09/03/21 11:10	09/03/21 14:27	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		09/03/21 11:10	09/03/21 14:27	1
Total TPH	<49.8	U	49.8	mg/Kg		09/03/21 11:10	09/03/21 14:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			09/03/21 11:10	09/03/21 14:27	1
o-Terphenyl	106		70 - 130			09/03/21 11:10	09/03/21 14:27	1
- Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.9		5.04	mg/Kg			09/03/21 17:20	

Client Sample ID: SW03

Date Collected: 09/02/21 11:09

Lab Sample ID: 890-1213-3

Matrix: Solid

Date Collected: 09/02/21 11:09 Date Received: 09/02/21 13:47

Sample Depth: 0 - 3.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		09/03/21 09:33	09/03/21 14:56	
Toluene	<0.00202	U	0.00202	mg/Kg		09/03/21 09:33	09/03/21 14:56	
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		09/03/21 09:33	09/03/21 14:56	
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		09/03/21 09:33	09/03/21 14:56	
o-Xylene	<0.00202	U	0.00202	mg/Kg		09/03/21 09:33	09/03/21 14:56	•
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		09/03/21 09:33	09/03/21 14:56	•
Total BTEX	<0.00403	U	0.00403	mg/Kg		09/03/21 09:33	09/03/21 14:56	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130			09/03/21 09:33	09/03/21 14:56	
1,4-Difluorobenzene (Surr)	99		70 - 130			09/03/21 09:33	09/03/21 14:56	
Analyte	Result	RO) (GC) Qualifier	RL	Unit	<u>D</u>	Prepared 00/02/21 11:10	Analyzed	
Madhada 0045D NM - Diagal Daw	0	DO) (OO)						
Analyte Gasoline Range Organics	• •	, , ,	RL 49.9	Unitmg/Kg	<u>D</u>	Prepared 09/03/21 11:10	Analyzed 09/03/21 14:48	
Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier			<u>D</u>			
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result 66.9	Qualifier U	49.9	mg/Kg	<u>D</u>	09/03/21 11:10	09/03/21 14:48	
Analyte Gasoline Range Organics (GRO)-C6-C10	Result 66.9	Qualifier U	49.9	mg/Kg	<u>D</u>	09/03/21 11:10 09/03/21 11:10	09/03/21 14:48 09/03/21 14:48	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result 66.9 <49.9	Qualifier U	49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/03/21 11:10 09/03/21 11:10 09/03/21 11:10	09/03/21 14:48 09/03/21 14:48 09/03/21 14:48	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	Result 66.9 <49.9 <66.9	Qualifier U	49.9 49.9 49.9 49.9	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/03/21 11:10 09/03/21 11:10 09/03/21 11:10 09/03/21 11:10	09/03/21 14:48 09/03/21 14:48 09/03/21 14:48 09/03/21 14:48	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 66.9 <49.9 <49.9 66.9 %Recovery	Qualifier U	49.9 49.9 49.9 49.9 <i>Limits</i>	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/03/21 11:10 09/03/21 11:10 09/03/21 11:10 09/03/21 11:10 Prepared	09/03/21 14:48 09/03/21 14:48 09/03/21 14:48 09/03/21 14:48 Analyzed	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	Result 66.9 <49.9 <49.9 66.9 %Recovery 115 125	Qualifier U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/03/21 11:10 09/03/21 11:10 09/03/21 11:10 09/03/21 11:10 Prepared 09/03/21 11:10	09/03/21 14:48 09/03/21 14:48 09/03/21 14:48 09/03/21 14:48 Analyzed 09/03/21 14:48	Dil Fa
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	Result 66.9 <49.9 <49.9 66.9 **Recovery 115 125 **Domatography -	Qualifier U Qualifier	49.9 49.9 49.9 49.9 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	D_	09/03/21 11:10 09/03/21 11:10 09/03/21 11:10 09/03/21 11:10 Prepared 09/03/21 11:10	09/03/21 14:48 09/03/21 14:48 09/03/21 14:48 09/03/21 14:48 Analyzed 09/03/21 14:48	Dil Face 1 Dil Face 1 Dil Face

Eurofins Xenco, Carlsbad

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12

Client: WSP USA Inc. Job ID: 890-1213-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Result Qualifier

<0.00202 U

<0.00202 U

<0.00202 U

<0.00403 U

<0.00202 U

<0.00403 U

<0.00403 U

Client Sample ID: SW04

Date Collected: 09/02/21 11:47 Date Received: 09/02/21 13:47

Method: 8021B - Volatile Organic Compounds (GC)

Sample Depth: 0 - 3.5

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

Xylenes, Total

Total BTEX

m-Xylene & p-Xylene

L	.ab	Sample	ID:	890-1213-4

09/03/21 15:16

Matrix: Solid

		Į
Analyzed	Dil Fac	
09/03/21 15:16	1	
09/03/21 15:16	1	
09/03/21 15:16	1	
09/03/21 15:16	1	
09/03/21 15:16	1	5
09/03/21 15:16	1	- (

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117	70 - 130	09/03/21 09:33	09/03/21 15:16	1
1,4-Difluorobenzene (Surr)	102	70 - 130	09/03/21 09:33	09/03/21 15:16	1

RL

0.00202

0.00202

0.00202

0.00403

0.00202

0.00403

0.00403

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

D

Prepared

09/03/21 09:33

09/03/21 09:33

09/03/21 09:33

09/03/21 09:33

09/03/21 09:33

09/03/21 09:33

09/03/21 09:33

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		09/03/21 11:10	09/03/21 15:09	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		09/03/21 11:10	09/03/21 15:09	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		09/03/21 11:10	09/03/21 15:09	1
Total TPH	<49.8	U	49.8	mg/Kg		09/03/21 11:10	09/03/21 15:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130			09/03/21 11:10	09/03/21 15:09	1
o-Terphenyl	111		70 - 130			09/03/21 11:10	09/03/21 15:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Chloride	390	5.01	mg/Kg			09/03/21 17:42	1	

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Surrogate Summary

 Client: WSP USA Inc.
 Job ID: 890-1213-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Rec
		BFB1	DFBZ1	Ū
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1211-A-1-A MS	Matrix Spike	101	108	
890-1211-A-1-B MSD	Matrix Spike Duplicate	111	109	
890-1213-1	SW01	117	98	
890-1213-2	SW02	114	99	
890-1213-3	SW03	120	99	
890-1213-4	SW04	117	102	
LCS 880-7477/1-A	Lab Control Sample	111	93	
LCSD 880-7477/2-A	Lab Control Sample Dup	111	106	
MB 880-7477/5-A	Method Blank	102	100	
Surrogate Legend				
BFB = 4-Bromofluorobenzene	e (Surr)			
DFBZ = 1,4-Difluorobenzene	(Surr)			

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1211-A-1-E MS	Matrix Spike	101	99	
890-1211-A-1-F MSD	Matrix Spike Duplicate	103	100	
890-1213-1	SW01	104	113	
890-1213-2	SW02	98	106	
890-1213-3	SW03	115	125	
890-1213-4	SW04	103	111	
LCS 880-7495/2-A	Lab Control Sample	121	121	
LCSD 880-7495/3-A	Lab Control Sample Dup	121	119	
MB 880-7495/1-A	Method Blank	105	117	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Eurofins Xenco, Carlsbad

Released to Imaging: 2/10/2022 8:35:02 AM

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12

Client: WSP USA Inc. Job ID: 890-1213-1 SDG: 31403236.005.0129 Project/Site: Row 4 Booster Pump

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7477/5-A

Matrix: Solid

Analysis Batch: 7486

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7477

1

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/03/21 09:33	09/03/21 12:52	
Toluene	<0.00200	U	0.00200	mg/Kg		09/03/21 09:33	09/03/21 12:52	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/03/21 09:33	09/03/21 12:52	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		09/03/21 09:33	09/03/21 12:52	
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/03/21 09:33	09/03/21 12:52	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		09/03/21 09:33	09/03/21 12:52	
Total BTEX	<0.00400	U	0.00400	mg/Kg		09/03/21 09:33	09/03/21 12:52	

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102	70 - 130	09/03/21 09:33	09/03/21 12:52	1
1,4-Difluorobenzene (Surr)	100	70 - 130	09/03/21 09:33	09/03/21 12:52	1

Lab Sample ID: LCS 880-7477/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 7486

Prep Type: Total/NA

Prep Batch: 7477

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.07447 mg/Kg 74 70 - 130 Toluene 0.100 0.07554 76 mg/Kg 70 - 130 Ethylbenzene 0.100 0.07775 mg/Kg 78 70 - 130 m-Xylene & p-Xylene 0.200 0.1583 79 70 - 130 mg/Kg o-Xylene 0.100 0.08045 mg/Kg 80 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	111	70 - 130
1.4-Difluorobenzene (Surr)	93	70 - 130

Lab Sample ID: LCSD 880-7477/2-A

Matrix: Solid

Analysis Batch: 7486

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 7477

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08330		mg/Kg		83	70 - 130	11	35
Toluene	0.100	0.08122		mg/Kg		81	70 - 130	7	35
Ethylbenzene	0.100	0.08397		mg/Kg		84	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.1705		mg/Kg		85	70 - 130	7	35
o-Xylene	0.100	0.08705		mg/Kg		87	70 - 130	8	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	111	70 - 130
1.4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: 890-1211-A-1-A MS

Matrix: Solid

Analysis Batch: 7486

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 7477

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00201	U F1	0.100	0.04711	F1	mg/Kg		47	70 - 130	

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QC Sample Results

Client: WSP USA Inc. Job ID: 890-1213-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

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

Lab Sample ID: 890-1211-A-1-A MS

Matrix: Solid

Analysis Batch: 7486

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

Prep Batch: 7477

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 0.03113 F1 Toluene <0.00201 UF1 0.100 31 70 - 130 mg/Kg Ethylbenzene <0.00201 UF1 0.100 0.02073 F1 mg/Kg 21 70 - 130 0.200 m-Xylene & p-Xylene <0.00402 UF1 0.04030 F1 20 70 - 130 mg/Kg o-Xylene <0.00201 UF1 0.100 0.02125 F1 mg/Kg 21 70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Client Sample ID: Matrix Spike Duplicate Lab Sample ID: 890-1211-A-1-B MSD

Matrix: Solid

Analysis Batch: 7486

Prep Type: Total/NA

Prep Batch: 7477

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00201	U F1	0.101	0.04123	F1	mg/Kg		41	70 - 130	13	35
Toluene	<0.00201	U F1	0.101	0.03176	F1	mg/Kg		31	70 - 130	2	35
Ethylbenzene	<0.00201	U F1	0.101	0.01699	F1	mg/Kg		17	70 - 130	20	35
m-Xylene & p-Xylene	<0.00402	U F1	0.202	0.03229	F1	mg/Kg		16	70 - 130	22	35
o-Xylene	<0.00201	U F1	0.101	0.01492	F1	mg/Kg		15	70 - 130	35	35

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	111	70 - 130
1,4-Difluorobenzene (Surr)	109	70 - 130

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

Lab Sample ID: MB 880-7495/1-A

Matrix: Solid

Analysis Batch: 7482

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7495

мв мв

	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0	mg/Kg		09/03/21 11:10	09/03/21 11:16	1
۱	(GRO)-C6-C10								
ı	Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		09/03/21 11:10	09/03/21 11:16	1
ı	C10-C28)								
ı	OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/03/21 11:10	09/03/21 11:16	1
ı	Total TPH	<50.0	U	50.0	mg/Kg		09/03/21 11:10	09/03/21 11:16	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	09/03/21 11:10	09/03/21 11:16	1
o-Terphenyl	117		70 - 130	09/03/21 11:10	09/03/21 11:16	1

Lab Sample ID: LCS 880-7495/2-A

Matrix: Solid

Analysis Batch: 7482

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 7495

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 1025 102 70 - 130 mg/Kg

(GRO)-C6-C10

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1213-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

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

Lab Sample ID: LCS 880-7495/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 7482** Prep Batch: 7495

C10-C28)

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	121		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: LCSD 880-7495/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 7482** Prep Batch: 7495

Spike LCSD LCSD %Rec. RPD Added Result Qualifier Limit Analyte Unit D %Rec Limits RPD 1000 1020 102 70 - 130 0 20 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 977.2 mg/Kg 98 70 - 130 3 20

C10-C28)

	LCSD LCSD	
Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	121	70 - 130
o-Terphenyl	119	70 - 130

ICED ICED

Lab Sample ID: 890-1211-A-1-E MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 7482

Prep Batch: 7495 Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <50.0 U Gasoline Range Organics 995 940.1 mg/Kg 93 70 - 130 (GRO)-C6-C10 995 Diesel Range Organics (Over 50.7 924.2 mg/Kg 88 70 - 130

C10-C28)

C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	99		70 - 130

Client Sample ID: Matrix Spike Duplicate Lab Sample ID: 890-1211-A-1-F MSD **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 7482

Prep Batch: 7495 Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Analyte Result Qualifier Added %Rec RPD Limit Unit D Limits Gasoline Range Organics <50.0 U 998 974.1 mg/Kg 96 70 - 130 20 (GRO)-C6-C10 998 50.7 948.3 90 70 - 130 3 20 Diesel Range Organics (Over mg/Kg

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	100		70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1213-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7498/1-A

Analysis Batch: 7500

Matrix: Solid

Client Sample ID: Method Blank **Prep Type: Soluble**

мв мв Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 09/03/21 16:29

Lab Sample ID: LCS 880-7498/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 7500

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 249.9 mg/Kg 100 90 - 110

Lab Sample ID: LCSD 880-7498/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 7500

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 250.7 mg/Kg 100 90 - 110

Lab Sample ID: 890-1211-A-1-H MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 7500

MS MS Sample Sample Spike %Rec. Analyte Result Qualifier Added Result Qualifier %Rec Unit Limits Chloride 327 253 568.1 90 - 110 mg/Kg

Lab Sample ID: 890-1211-A-1-I MSD

Matrix: Solid

Analysis Batch: 7500

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 253 327 568.8 mg/Kg 96 90 - 110 20

Eurofins Xenco, Carlsbad

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1213-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

GC VOA

Prep Batch: 7477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1213-1	SW01	Total/NA	Solid	5035	
890-1213-2	SW02	Total/NA	Solid	5035	
890-1213-3	SW03	Total/NA	Solid	5035	
890-1213-4	SW04	Total/NA	Solid	5035	
MB 880-7477/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7477/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7477/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1211-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-1211-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 7486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1213-1	SW01	Total/NA	Solid	8021B	7477
890-1213-2	SW02	Total/NA	Solid	8021B	7477
890-1213-3	SW03	Total/NA	Solid	8021B	7477
890-1213-4	SW04	Total/NA	Solid	8021B	7477
MB 880-7477/5-A	Method Blank	Total/NA	Solid	8021B	7477
LCS 880-7477/1-A	Lab Control Sample	Total/NA	Solid	8021B	7477
LCSD 880-7477/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7477
890-1211-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	7477
890-1211-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	7477

GC Semi VOA

Analysis Batch: 7482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1213-1	SW01	Total/NA	Solid	8015B NM	7495
890-1213-2	SW02	Total/NA	Solid	8015B NM	7495
890-1213-3	SW03	Total/NA	Solid	8015B NM	7495
890-1213-4	SW04	Total/NA	Solid	8015B NM	7495
MB 880-7495/1-A	Method Blank	Total/NA	Solid	8015B NM	7495
LCS 880-7495/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7495
LCSD 880-7495/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7495
890-1211-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	7495
890-1211-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	7495

Prep Batch: 7495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1213-1	SW01	Total/NA	Solid	8015NM Prep	
890-1213-2	SW02	Total/NA	Solid	8015NM Prep	
890-1213-3	SW03	Total/NA	Solid	8015NM Prep	
890-1213-4	SW04	Total/NA	Solid	8015NM Prep	
MB 880-7495/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7495/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7495/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1211-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1211-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

QC Association Summary

 Client: WSP USA Inc.
 Job ID: 890-1213-1

 Project/Site: Row 4 Booster Pump
 SDG: 31403236.005.0129

HPLC/IC

Leach Batch: 7498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1213-1	SW01	Soluble	Solid	DI Leach	
890-1213-2	SW02	Soluble	Solid	DI Leach	
890-1213-3	SW03	Soluble	Solid	DI Leach	
890-1213-4	SW04	Soluble	Solid	DI Leach	
MB 880-7498/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7498/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7498/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1211-A-1-H MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1211-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 7500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1213-1	SW01	Soluble	Solid	300.0	7498
890-1213-2	SW02	Soluble	Solid	300.0	7498
890-1213-3	SW03	Soluble	Solid	300.0	7498
890-1213-4	SW04	Soluble	Solid	300.0	7498
MB 880-7498/1-A	Method Blank	Soluble	Solid	300.0	7498
LCS 880-7498/2-A	Lab Control Sample	Soluble	Solid	300.0	7498
LCSD 880-7498/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7498
890-1211-A-1-H MS	Matrix Spike	Soluble	Solid	300.0	7498
890-1211-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	7498

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Client Sample ID: SW01

Lab Sample ID: 890-1213-1

Matrix: Solid

Date Collected: 09/02/21 09:40 Date Received: 09/02/21 13:47

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7477	09/03/21 09:33	KL	XEN MID
Total/NA	Analysis	8021B		1	7486	09/03/21 14:15	KL	XEN MID
Total/NA	Prep	8015NM Prep			7495	09/03/21 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1	7482	09/03/21 14:05	AJ	XEN MID
Soluble	Leach	DI Leach			7498	09/03/21 11:32	SC	XEN MID
Soluble	Analysis	300.0		1	7500	09/03/21 17:14	SC	XEN MID

Client Sample ID: SW02

Date Collected: 09/02/21 10:25

Lab Sample ID: 890-1213-2

Matrix: Solid

Date Received: 09/02/21 13:47

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7477	09/03/21 09:33	KL	XEN MID
Total/NA	Analysis	8021B		1	7486	09/03/21 14:35	KL	XEN MID
Total/NA	Prep	8015NM Prep			7495	09/03/21 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1	7482	09/03/21 14:27	AJ	XEN MID
Soluble	Leach	DI Leach			7498	09/03/21 11:32	SC	XEN MID
Soluble	Analysis	300.0		1	7500	09/03/21 17:20	SC	XEN MID

Client Sample ID: SW03 Lab Sample ID: 890-1213-3

Date Collected: 09/02/21 11:09

Date Received: 09/02/21 13:47

Matrix: Solid

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7477	09/03/21 09:33	KL	XEN MID
Total/NA	Analysis	8021B		1	7486	09/03/21 14:56	KL	XEN MID
Total/NA	Prep	8015NM Prep			7495	09/03/21 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1	7482	09/03/21 14:48	AJ	XEN MID
Soluble	Leach	DI Leach			7498	09/03/21 11:32	SC	XEN MID
Soluble	Analysis	300.0		1	7500	09/03/21 17:37	SC	XEN MID

Client Sample ID: SW04

Date Collected: 09/02/21 11:47

Lab Sample ID: 890-1213-4

Matrix: Solid

Date Received: 09/02/21 13:47

_	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7477	09/03/21 09:33	KL	XEN MID
Total/NA	Analysis	8021B		1	7486	09/03/21 15:16	KL	XEN MID
Total/NA	Prep	8015NM Prep			7495	09/03/21 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1	7482	09/03/21 15:09	AJ	XEN MID
Soluble	Leach	DI Leach			7498	09/03/21 11:32	SC	XEN MID
Soluble	Analysis	300.0		1	7500	09/03/21 17:42	SC	XEN MID

Laboratory References:

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

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-1213-1 Project/Site: Row 4 Booster Pump SDG: 31403236.005.0129

Laboratory: Eurofins Xenco, Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-20-21	06-30-22
The following analytes	are included in this report, bu	t the laboratory is not certific	ed by the governing authority. This list ma	ay include analytes for v
the agency does not of	fer certification.			
the agency does not of Analysis Method	fer certification. Prep Method	Matrix	Analyte	
0 ,		Matrix Solid	Analyte Total TPH	

Method Summary

Client: WSP USA Inc.

Project/Site: Row 4 Booster Pump

Job ID: 890-1213-1

SDG: 31403236.005.0129

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

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions. SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Eurofins Xenco, Carlsbad

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Sample Summary

Collected

09/02/21 09:40

09/02/21 10:25

09/02/21 11:09

09/02/21 11:47

09/02/21 13:47 0 - 3.5

09/02/21 13:47 0 - 3.5

Matrix

Solid

Solid

Solid

Solid

Client: WSP USA Inc.

Lab Sample ID

890-1213-1

890-1213-2

890-1213-3

890-1213-4

Project/Site: Row 4 Booster Pump

Client Sample ID

SW01

SW02

SW03

SW04

Job ID: 890-1213-1

SDG: 31403236.005.0129

Received	Depth		
09/02/21 13:47	0 - 3.5		
09/02/21 13:47	0 - 3.5		

Eurofins Xenco, Carlsbad 9/3/2021

Chain of Custody

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ıre) Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time		Received by: (Signature)	Received	nature)	Relinquished by: (Signature)	
	ously negotiated.	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 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 Services. 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.	ses or expenses incurred by	nsibility for any loss each sample subm	ot assume any respond	es and shall no each project ar	ily for the cost of sample to	of service. Xenco will be liable o	-
	It assigns standard terms and conditions	filiates and subcontractors. It assigns standard	t company to Xenco, its aff	ase order from client	titutes a valid purch	f samples cons	at and relinquishment o	Notice. Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors.	TO 15
Na Sr TI Sn U V Zn 1631 / 245.1 / 7470 / 7471 : Hg	Mo Ni K Se Ag SiO2 TI U	Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni Kd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U	Al Sb As Ba Be B	Texas 11 010: 8RCR	BRCRA 13PPM		200.8 / 6020: 1 Metal(s) to be ar	Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	
									_
									_
									_
Composite			× × ×	0-3.5'	11.47	9/2/2021	S	SW04	-
Composite			× ×	0-3.5' 1	11 09	9/2/2021	S	SW03	_
Composite			× ×	0-3.5' 1	10:25	9/2/2021	S	SW02	_
Composite			× ×	0-3.5' 1	9:40	9/2/2021	S	SW01	_
Sample Comments			TPH (EI	Depth Number	Time Sampled	Date Sampled	on Matrix	Sample Identification	
lab, if received by 4:30pm			EPA	er of	Total Containers:	Tota	Yes No N/A	Sample Custody Seals:	_
TAT starts the day recevied by the			0=80	70.2 Co	Correction Factor:	Corr	Yes No MA	Cooler Custody Seals:	_
	-			لد	MUM-00		(Yes) No	Received Intact:	_
		890-1213 Chain of Custody)		Thermometer ID	(4.0/3.8	Temperature (°C):	
nAPP2111644292				(Yes) No	Wet Ice:	Yes No	Temp Blank:	SAMPLE RECEIPT	
Incident Number:				œ.	Due Date:		Payton Benner	me:	_
API: 30-015-21095				4 Hour	Rush: 24 Hour			P.O. Number:	
CC:1084311001					Routine		31403236.005.0129	Project Number: 3140	_
Work Order Notes		ANALYSIS REQUEST		Turn Around	Turn		Row 4 Booster Pump	Project Name: Row	
Other:	Deliverables: EDD		Email: kalei.jennings@wsp.com, payton.benner@wsp.com	lei.jennings@v	Email: ka		817-683-2503	Phone: 817-	
<u>_</u>	evel =		Carlsbad, NM 88220	City, State ZIP:	<u>Q</u>		Midland, Texas 79705	le ZIP:	
			3104 E Green Street	Address:	Ac		3300 North A Street		_
fields ☐RC ☐uperfund ☐	Program: UST/PST ☐PRP ☐ rownfields	Progra	XTO Energy	Company Name:	C		USA		
omments	Work Order Comments		Kyle Littrell	Bill to: (if different)	Bil		Kalei Jennings	Project Manager: Kalei	
³ age1 of1_	www.xenco.com	Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296 75-392-7550) Phoenix,AZ (480-355-0900) Atlanta.GA (770-449-8800) Tampa,FL (813-620-2000)	Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800)	((432-704-5440) i0) Phoenix,AZ (4	Midland,T) 05,NM (575-392-75)	Hobb	ATORIES	LABOR	
		Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334)allas,TX (214) 902-0300	(281) 240-4200 E	Houston,TX			XIII	

Work Order No:

Eurofins Xenco, Carlsbad

💸 eurofins

Che Carl 9:2:21 Date/Time Date/Time	Cue Cut 9.2.2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Relinquished by:	Empty Kit Relinquished by Date	Deliverable Requested 1 II, III IV Other (specify) Primary Deliverable Rank 2	Unconfirmed	Possible Hazard Identification	Note: Since laboratory accreditations are subject to charge, Eurofins Xence 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/lests/matrix being analyzed the samples must be shipped back to the Eurofins Xence LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xence LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xence LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xence LLC. Attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attention to said complicance to Eurofins Xence LLC.						SW04 (890-1213-4) 9/2/21 11.47 Mountain	SW03 (890-1213-3) 11 09 9/2/21 Mountain	SW02 (890-1213-2) 10.25 9/2/21 Mountain	SW01 (890-1213-1) 9/2/21 09 40 Mountain	Preservation Code:	Sample Date Time G=grab)	Sample Type Sample (George) Time (George)	Site SSOW#:	Row 4 Booster Pump Project # 89000004		Phone PO# 432-704-5440(Tei)	9701	Midland	1211 W Florida Ave 9/3/2021	3 Xenco	sceiving	Client Information (Sub Contract Lab)	Sampler	Carlsbad NM 88220 Chops 575 088 2400 Fay 575 088 2400	1089 N Canal St
	Company	Sompany	Qmpajny	=				ation compliance u to the Eurofins Xe ance to Eurofins X						Solid	Solid	Solid	Solid	ion Code:	BT=Tissue, A=Air) UL	Matrix (W=water S=solid, O=waste/oil, ield	iamp	e (Ye	s or N	2) (Z	Ò	Kramer	Lab PM	ouy Ne	\\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
ဂ္ဂ	Z.	R		Time	Speci		2	ipon out		1		**		×	×	×	×	X	2 (829) 2	erform MS/MS				трн	9			NELAP - Louisiana, NELAP - Texas	kramer	Jessica)]
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	Company	Company	Company,			Months		by does not currently ight to Eurofins Xenco LLC											Special instructions/Note			Z other (specify)	U Acetone V MCAA	S H2SO4 T TSP Dodecahydrate	P Na2O4S Q Na2SO3 B Na2SO3	N None O AsNaO2	M - Hexane					America	Environment Testing

Ver 06/08/2021

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1213-1

SDG Number: 31403236.005.0129

List Source: Eurofins Xenco, Carlsbad

Login Number: 1213 List Number: 1 Creator: Clifton, Cloe

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

Eurofins Xenco, Carlsbad

<6mm (1/4").

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5

9

11

13

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1213-1

SDG Number: 31403236.005.0129

List Source: Eurofins Xenco, Midland

List Creation: 09/03/21 10:52 AM

Login Number: 1213 List Number: 2 Creator: Lowe, Katie

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

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

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

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

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

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

CONDITIONS

Action 74918

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	74918
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	Date of discovery: 04/12/2021. Initial C-141 received: 04/26/2021 Closure report received: 01/25/2022. That is approximately 270 days since last report filed. Failure to comply with NMAC 19.15.29, XTO could be subject to Civil Penalties for future violations. https://www.emnrd.nm.gov/ocd/wpcontent/uploads/sites/6/Civil-Penalty-Calculation-Method-Version-2021-01.pdf	2/10/2022
chensley	The OCD has received and approved your closure report.	2/10/2022