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	NAPP2117561837
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy OGRID				5380	
Contact Name Kyle Littrell		Contact To	Contact Telephone 432-221-7331		
Contact emai	l Kyle_Lit	ttrell@xtoenergy.c	om	Incident #	(assigned by OCD)
Contact mail	ing address	522 W. Mermod	, Carlsbad, NM 88	3220	
Location of Release Source					
Latitude 32.4	9522		(NAD 83 in dec	Longitude _ cimal degrees to 5 decim	-103.25751 mal places)
Site Name	AJ Adkins B	attery #3		Site Type	Tank Battery
Date Release	Discovered	6/10/2021		API# (if app	
Unit Letter	Section	Township	Danca	Comme	
E	10	21S	Range 36E	Coun	
	-			Lea	
Surface Owner	:: State	☐ Federal ☐ Tr	ibal 🔀 Private (/	Vame: Millard Dec	ck)
				l Volume of I	
Crude Oil	Materia	l(s) Released (Select al Volume Release	l that apply and attach d (bbls) 7 29	calculations or specific	Volume Recovered (bbls) 7
Produced	Water	Volume Release			Volume Recovered (bbis)
		Is the concentrat	ion of total dissolv	ved solids (TDS)	Yes No
Condensa	in the produced water >10,000 mg/l?		/!?		
		(50.5)			Volume Recovered (bbls)
Natural G		Volume Released (Mcf)			Volume Recovered (Mcf)
Other (de:	Other (describe) Volume/Weight Released (provide units) Volume/Weight Recovered (provide units)		Volume/Weight Recovered (provide units)		
Cause of Release Fluids released from a hole in the tank due to corrosion. A third party contractor has been retained for remediation activities.					

Released to Imaging: 6/30/2021 10:08:00 AM

Released to Imaging: 10/5/2021 9:11:32 AM

Received by OCD: 9/8/2021 3:13:05 PM

Received by OCD: 6/24/2021 5:30:39 PM
Form C-141 State of New Mexico

Page 2 Oil Conservation Division

Page 2 of 153

Page 2 of 4

	z uge z u
Incident ID	NAPP2117561837
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party consider this a major release? N/A
☐ Yes 🏻 No	
If YES, was immediate n	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

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 release has been stopped.				
The impacted area has been secured to protect human health and the environment.				
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.				
All free liquids and recoverable materials have been removed an	d managed appropriately.			
If all the actions described above have not been undertaken, explain	why:			
Per 19.15.29.8 B. (4) NMAC the responsible party may commence r	remediation immediately after discovery of a release. If remediation			
has begun, please attach a narrative of actions to date. If remedial	has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred			
within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), p				
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release noti	ifications and perform corrective actions for releases which may endanger			
public health or the environment. The acceptance of a C-141 report by the C failed to adequately investigate and remediate contamination that pose a three	eat to groundwater, surface water, human health or the environment. In			
addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	responsibility for compliance with any other federal, state, or local laws			
Printed Name: Adrian Baker	Title: SH&E Coordinator			
Signature: Clarian Bake	Date: 6/24/2021			
email: Adrian.Baker@exxonmobil.com	Telephone: 432-221-7331			
OCD O. I.				
OCD Only				
Received by: Ramona Marcus	Date: 6/30/2021			

NAPP2117561837

Page 3 of

Location:	AJ Adkins Battery #3		
Spill Date:	6/10/2021		
	Area 1		
Approximate Area =		418.00	sq. ft.
Average Saturation (or depth) of spill =			inches
Average Porosity Factor =		0.03	
	VOLUME OF LEAK		
Total Crude Oil =		7 28	bbls

TOTAL VO	LUME OF LEAK
Total Crude Oil =	7.28 bbls
TOTAL VOL	UME RECOVERED
Total Crude Oil =	7.00 bbls

Received by OCD: 9/8/2021 3:13:05 PM Received by OCD: 6/24/2021 5:30:39 PM Page 4 of 153

Page 4 of 4

District 1
1625 N. French Or., 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., Axtec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3470 Fax: (505) 476-3462

XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707

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

CONDITIONS

Action 33889

CONDITIONS		
	OGRID: 5380	
	Action Number:	_

Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Operator:

Created By	Condition	Condition Date
marcus	None	6/30/2021

Released to Imaging: 6/30/2021 10:08:00 AM

Released to Imaging: 10/5/2021 9:11:32 AM

Form C-141 Page 3

State of New Mexico Oil Conservation Division

Incident ID	NAPP2117561837
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?				
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?				
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?				
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?				
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No			
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				
Characterization Report Checklist: Each of the following items must be included in the report.				
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information				
✓ Photographs including date and GIS information ✓ Topographic/Aerial maps				

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.

Laboratory data including chain of custody

Form C-141 Page 4

State of New Mexico Oil Conservation Division

Incident ID	NAPP2117561837
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
Printed Name:Toby Holland	Environmental Coordinator			
Signature: Joly Holland	Date:09/08/2021			
email: tholland@empirepetrocorp.com	Telephone:(575) 704-2329			
OCD Only				
Received by:	Date:			

Form C-141 Page 5

State of New Mexico Oil Conservation Division

Incident ID	NAPP2117561837
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.				
 □ Detailed description of proposed remediation technique □ Scaled sitemap with GPS coordinates showing delineation points □ Estimated volume of material to be remediated □ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC □ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 				
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.				
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.				
Extents of contamination must be fully delineated.				
Contamination does not cause an imminent risk to human health, the environment, or groundwater.				
I hereby certify that the information given phays is true and complete to the host of my brounding and an demand that my and to OCD				
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.				
Printed Name: Toby Holland Title:Environmental Coordinator				
Signature:				
email:tholland@empirepetrocorp.com Telephone:(575) 704-2329				
OCD Only				
Received by: Chad Hensley Date: 10/05/2021				
Approved				
Signature: Date: 10/05/2021				

wsp

WSP USA

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

September 8, 2021

District I New Mexico Oil Conservation Division 1625 N. French Dr. Hobbs, New Mexico 88240

RE: Deferral Request
AJ Adkins Battery #3
Incident Number NAPP2117561837
Lea County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP), on behalf of Empire New Mexico, LLC (Empire), presents the following Deferral Request detailing site assessment and soil sampling activities at the AJ Adkins Battery #3 (Site) in Unit E, Section 10, Township 21 South, Range 36 East, in Lea County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil resulting from a release of crude oil within and around a lined containment at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, Empire is submitting this Deferral Request, describing site assessment, excavation, and delineation activities that have occurred and requesting deferral of final remediation for Incident Number NAPP2117561837 until the Site is reconstructed, and/or the well pad is abandoned.

RELEASE BACKGROUND

On June 10, 2021, a hole developed in a tank due to corrosion resulting in the release of approximately 7.28 barrels (bbls) of crude oil into a lined earthen containment and onto the well pad. Approximately 7 bbls of crude oil were recovered. XTO Energy, Inc. (XTO), the operator of the facility prior to Empire, submitted a Form C-141 on June 24, 2021 to the New Mexico Oil Conservation Division (NMOCD). The release was assigned Incident Number NAPP2117561837 and Empire completed site assessment and remediation activities as the current operators of the facility.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is New Mexico Office of the State Engineer (NMOSE) well



CP 00692, located approximately 0.25 miles northwest of the Site. The groundwater well has a reported depth to groundwater of 195 feet bgs and a total depth of 215 feet bgs. Ground surface elevation at the groundwater well location is 3,603 feet above mean sea level (amsl), which is approximately 8 feet higher in elevation than the Site. NMOSE well CP 00734, reportedly located 485 feet to the north of the release, was installed in 1988 at the top of the "red bed" with a 15-foot water column. The well had a reported depth to groundwater of 200 feet and a total depth of 215 feet bgs. WSP personnel conducted a 10,000-foot radius pedestrian survey to confirm the presence or absence of this well. The well was not found and is believed to be abandoned or its location is incorrectly reported. All wells used for depth to groundwater determination are depicted on Figure 1. The referenced well records are included in Attachment 1.

The closest continuously flowing or significant watercourse to the Site is an unnamed dry wash, located approximately 15,360 feet northeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)- gasoline range organics (GRO) and TPH- diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

On August 11, 2021 WSP personnel were at the Site to evaluate the release extent based on information provided on the C-141 and visual observations. WSP personnel collected four preliminary assessment soil samples, SS01 through SS04 within the release extent from a depth of approximately 0.5 feet bgs to assess the lateral extent of the impacted soil. Preliminary soil samples SS01 through SS03 were collected from within the earthen containment and SS04 was collected outside containment where the release reached the well pad. 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 Xenco Laboratories (Xenco) 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 samples SS01 through SS04 indicated that BTEX, TPH-GRO/TPH-DRO, and/or TPH concentrations exceeded the Closure Criteria. Based on visible staining in the release area, elevated field screening results, and laboratory analytical results for the preliminary soil samples, excavation and delineation activities were warranted.

EXCAVATION AND DELINEATION SOIL SAMPLING ACTIVITIES

Between August 27, 2021 and August 31, 2021, WSP personnel were at the Site to oversee site assessment and excavation activities. Impacted soil was excavated from the release area as indicated by visible staining, field screening activities, and laboratory analytical results for the preliminary soil samples. Excavation activities were performed using a backhoe, transport vehicle, and hydrovac. The excavation occurred within the earthen containment until the liner was encountered. A portion of the excavation also occurred on the well pad. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. Photographic documentation is included in a photographic log in Attachment 2.

Following removal of impacted soil to the extent possible, WSP collected a 5-point composite soil sample representing a 200 square feet area from the sidewall and floor of the excavation outside of the earthen containment. The 5-point composite was collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil sample FS01 was collected from the excavation at a depth of 1 foot bgs. Additional composite soil samples could not be collected from within the containment due to the presence of the impermeable liner within the earthen containment. The excavation extents, location of floor sample FS01, and the exposed liner are depicted on Figure 3. Impacted soil left near active production equipment within the lined earthen containment was treated with a solution of MicroBlaze® to address potential residual TPH concentrations.

Following the removal of impacted soil within the earthen containment, a liner inspection was conducted by a person familiar with site operations and liner construction. A tear in the liner was



observed on the western side of the containment. One borehole (BH05) was advanced via hand auger at the location of the tear in the liner to assess the vertical extent of impacted soil. Soil from the borehole was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Two delineation soil samples were collected from borehole BH05 at depths of 1 foot bgs and 2 feet bgs. Four additional boreholes (BH01 through BH04) were advanced around the outside of the well pad to confirm lateral delineation. Boreholes BH01 through BH04 were advanced to a depth of 1-foot bgs. Soil from the boreholes was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Two delineation soil samples were collected from each borehole at depths of 0.5 feet and 1 feet bgs.

Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Attachment 3. The borehole and delineation soil sample locations are depicted on Figure 4. Following delineation activities, the tear in the liner was bonded and repaired to restore the integrity of the liner. Photographic documentation of the liner repair is included in Attachment 2. The excavation and delineation soil samples were handled as described above and transported to Eurofins Xenco in Carlsbad, New Mexico.

SOIL ANALYTICAL RESULTS

Laboratory analytical results for excavation soil sample FS01, collected at 1 foot bgs, indicate that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results for delineation soil sample BH05, collected at 1 foot bgs directly below the tear in the liner, indicate that TPH-DRO/TPH-GRO and TPH concentrations exceeded the Closure Criteria. Subsequent sample BH01, collected at 2 feet bgs, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria and delineated to the strictest Table 1 Closure Criteria. Laboratory analytical results for the delineation soil samples collected from boreholes BH01 through BH04 indicate that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria and provide full lateral delineation. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Attachment 4.

DEFERRAL REQUEST

Empire is requesting deferral of final remediation due to the presence of active production equipment within the lined, earthen containment. The impacted soil is limited to the area immediately beneath the lined containment and surrounding active production equipment, where remediation would require a major facility deconstruction.

The impacted soil remaining immediately adjacent to active production equipment is limited to the area below equipment and above a liner. The impacted soil remaining in place beneath the



liner is delineated vertically by delineation soil sample BH05 collected at 2 feet bgs and laterally by delineation soil samples BH01 through BH04. A maximum of 50 cubic yards of TPH impacted soil remains in place within 2 feet of production equipment and beneath the liner assuming a maximum 1 foot depth based on the delineation soil samples listed above, that were compliant with the Closure Criteria.

WSP and Empire do not believe deferment will result in imminent risk to human health, the environment, or groundwater. Depth to groundwater is greater than 100 feet bgs, the majority of the released fluids were recovered during initial response activities, impacted soil was removed above the liner, and any impacted soil remaining in place is limited to the area immediately beneath the liner. The liner has been repaired will prevent vertical migration of TPH impacts which will naturally attenuate over time.

Based on the presence of active production equipment within the release area and the complete lateral and vertical delineation of impacted soil remaining in place, Empire requests deferral of final remediation for Incident Number NAPP2117561837 until final reclamation of the well pad or major construction, whichever comes first.

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

Sincerely,

WSP USA Inc.

Tacoma Morrissey

Mouissey

Consultant, Geologist

Ushley L. Ager, P.G.

Managing Director, Geologist

cc: Toby Holland, Empire

Millard Deck

Attachments:

Figure 1 Site Location Map

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

Table 1 Soil Analytical Results

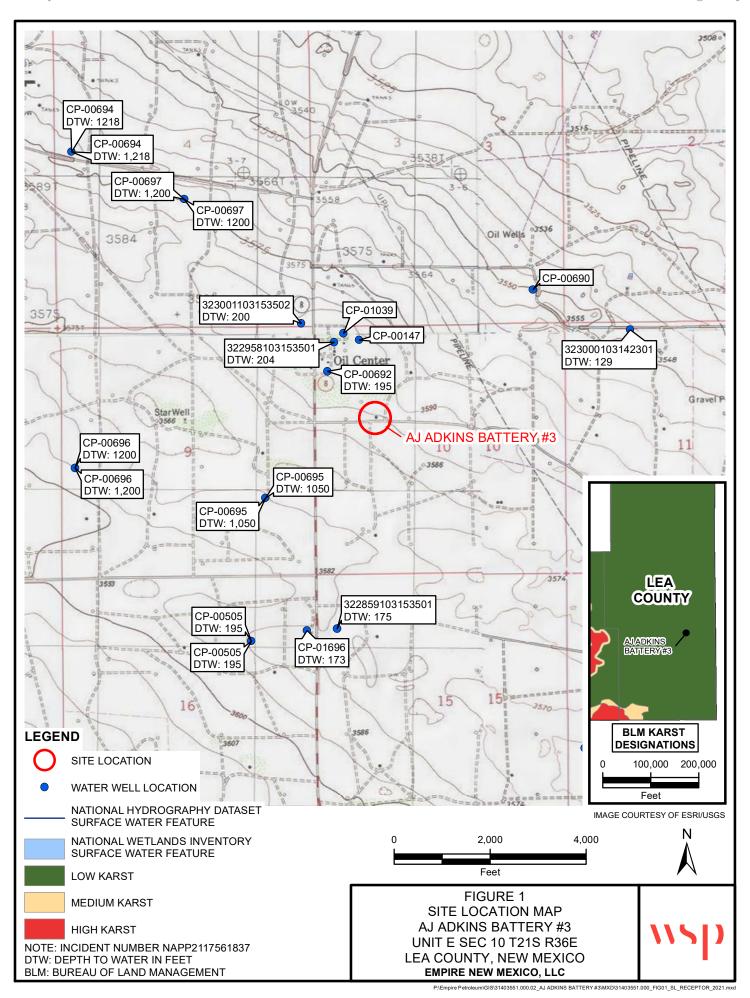


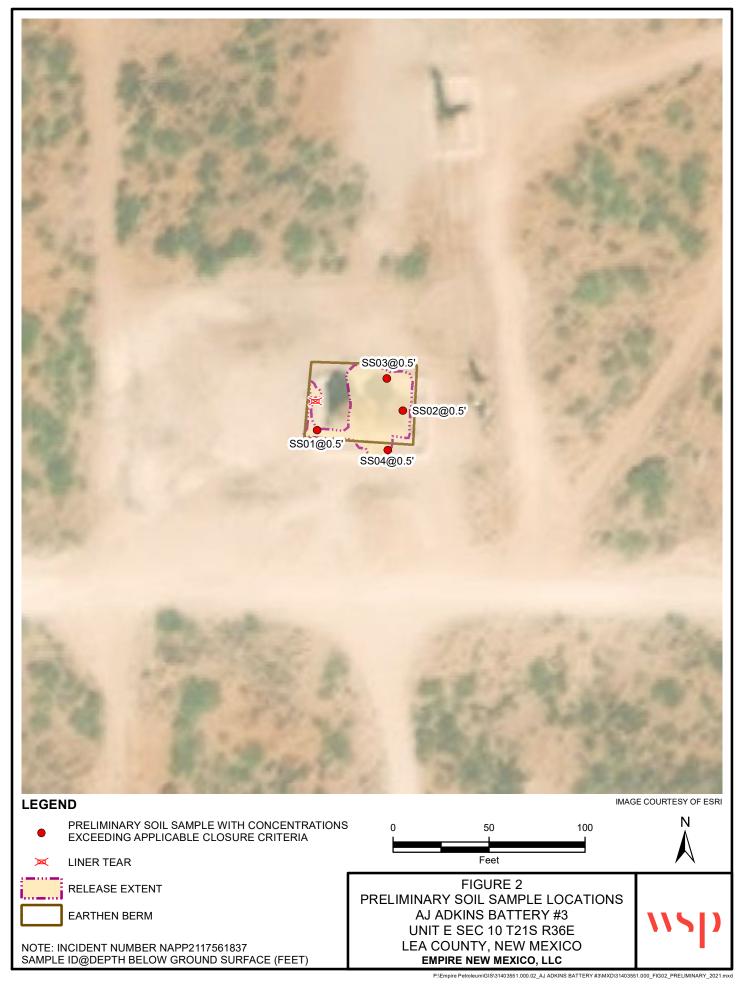
Attachment 1 Referenced Well Records

Attachment 2 Photographic Log

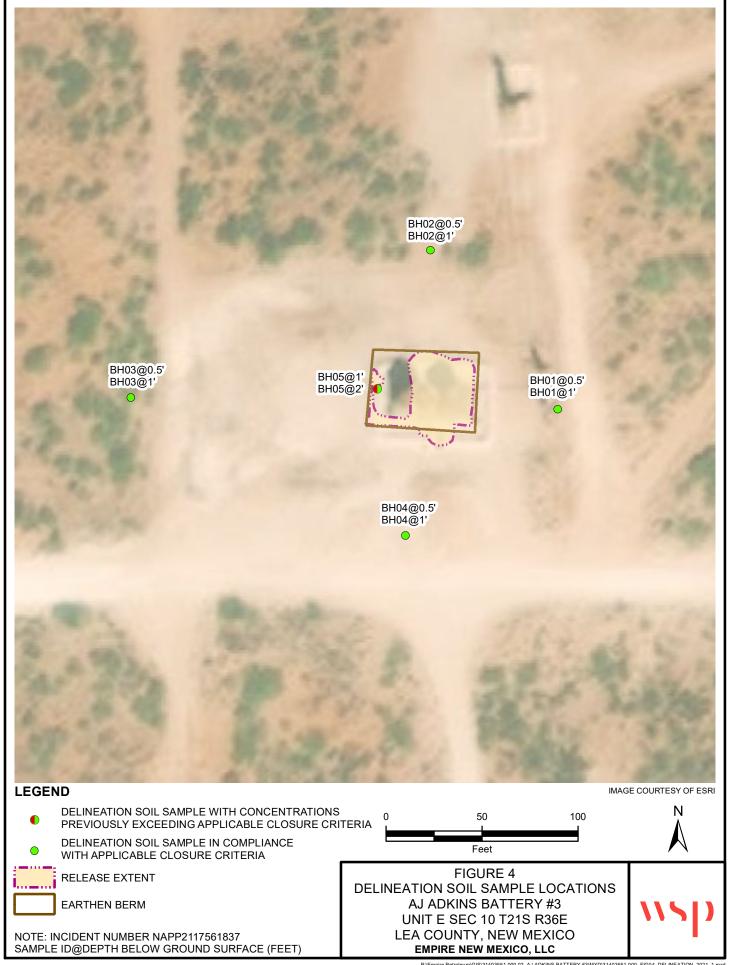
Attachment 3 Lithologic/Soil Sampling Logs

Attachment 4 Laboratory Analytical Reports









Page 20 of 153

TABLE 1 SOIL ANALYTICAL RESULTS

AJ ADKINS BATTERY #3 INCIDENT NUMBER NAPP2117561837 LEA COUNTY, NEW MEXICO EMPIRE NEW MEXICO, LLC

Sample Name	Sample Depth (feet bgs)	Sample Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl- benzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD	Table 1 Closur	e Criteria	10	NE	NE	NE	50	NE	NE	NE	1,000	2,500	20,000
SS01	0.5	08/11/2021	1.09	16.5	16.7	26.8	61.1	713	3,490	516	4,200	4,720	64.5
SS02	0.5	08/11/2021	7.68	176	30.9	92.1	549	3,470	13,000	2,060	16,500	18,500	33.6
SS03	0.5	08/11/2021	0.324	2.50	2.46	12.9	18.1	299	5,090	810	5,390	6,200	373
SS04	0.5	08/11/2021	2.90	28.1	28.2	39.2	98.4	1,410	6,690	780	8,100	8,880	69.7
BH01	0.5	08/27/2021	0.0236	1.00	0.104	7.06	8.65	<49.8	<49.8	<49.8	<49.8	<49.8	71.5
BH01	1	08/27/2021	0.0150	0.205	0.0704	0.631	0.921	<49.9	<49.9	<49.9	<49.9	<49.9	7.62
BH02	0.5	08/27/2021	0.0195	0.0570	<0.00200	0.00920	0.0857	<50.0	<50.0	<50.0	<50.0	<50.0	<4.97
BH02	1	08/27/2021	0.00992	0.0182	<0.00199	<0.00398	0.0281	<50.0	<50.0	<50.0	<50.0	<50.0	4.99
BH03	0.5	08/27/2021	0.0143	0.0692	0.00466	0.0425	0.131	<49.8	<49.8	<49.8	<49.8	<49.8	<5.01
BH03	1	08/27/2021	0.0106	0.0467	0.00255	0.0235	0.0833	<49.9	<49.9	<49.9	<49.9	<49.9	12.6
BH04	0.5	08/27/2021	0.00403	0.0157	<0.00200	0.0105	0.0302	<49.9	<49.9	<49.9	<49.9	<49.9	17.4
BH04	1	08/27/2021	0.0117	0.0580	0.00279	0.0314	0.104	<49.8	<49.8	<49.8	<49.8	<49.8	25.3
BH05	1	08/27/2021	<0.200	0.245	0.754	3.84	4.84	429	2,360	<249	2,790	2,790	56.5
BH05	2	08/27/2021	<0.200	<0.200	<0.200	<0.399	<0.399	<50.0	76.8	<50.0	76.8	76.8	70.3
FSO1	1	08/31/2021	<0.00202	0.00488	0.00482	0.0109	0.0206	<49.8	<49.8	<49.8	<49.8	<49.8	57.3

Notes:

bgs - below ground surface

BTEX - benzene, toluene, ethylbenzene, and total xylenes

DRO - diesel range organics

GRO - gasoline range organics

mg/kg - milligrams per kilogram

MRO - motor oil range organics

NMAC - New Mexico Administrative Code

NMOCD - New Mexico Oil Conservation Division

NE - not established

TPH - total petroleum hydrocarbons

 $\boldsymbol{\textit{Bold}}$ - indicates result exceeds the applicable regulatory standard

< - indicates result is below laboratory reporting limits

Table 1 - closure criteria for soils impacted by a release per NMAC 19.15.29 August 2018

Received by OCD: 9/8/2021 3:13:05 PM



New Mexico Office of the State Engineer

Water Right Summary

get image list

WR File Number: CP 00629 Subbasin: CP Cross Reference: -

Primary Purpose: PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE

Primary Status: PMT PERMIT

Total Acres: Subfile: - Header: -

Total Diversion: 0 Cause/Case: -

Owner: J.C. MILLS

Documents on File

				Sta	tus		From/			
	Trn#	Doc	File/Act	1	2	Transaction Desc.	To	Acres	Diversion	Consumptive
get images	475207	72121	1981-04-24	EXP	EXP	CP 00629	T		3	
get images	475205	72121	1981-03-26	EXP	EXP	CP 00629	T		3	
get images	475198	72121	1980-12-01	EXP	EXP	CP 00629	T		3	

Current Points of Diversion

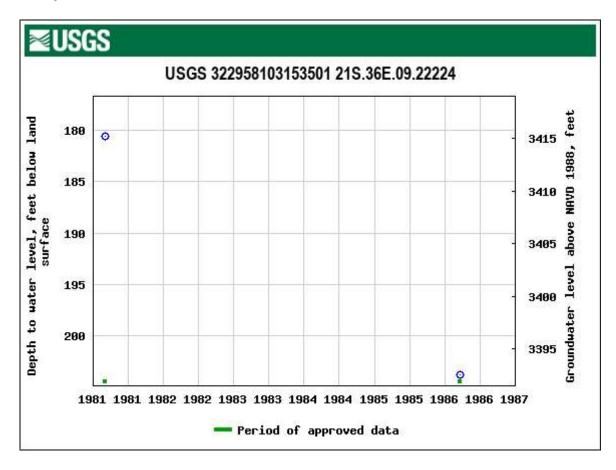
(NAD83 UTM in meters)

POD Number	Well Tag	Source	64Q16Q4Sec Tws Rng	X Y	Other Location Desc
<u>CP 00629</u>			4 4 3 08 23S 34E	641846 3576102*)

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

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

9/7/21 1:36 PM WATER RIGHT SUMMARY





USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:		Geographic Area:		
Site Information	~	United States	~	GO

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water <u>data</u> from over 13,500 stations nationwide.
- Full News

USGS 322958103153501 21S.36E.09.22224

Available data for this site SUMMARY OF ALL AVAILABLE DATA V GO

Well Site

DESCRIPTION:

Latitude 32°29'58", Longitude 103°15'35" NAD27 Lea County, New Mexico , Hydrologic Unit 13070007

Well depth: 500 feet

Land surface altitude: 3,596 feet above NAVD88.

Well completed in "Other aquifers" (N9999OTHER) national aquifer.

Well completed in "Chinle Formation" (231CHNL) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1981-03-05	1986-03-20	2
Revisions	Unavailable (site:0) (timese	eries:0)

OPERATION:

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

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

Released to Imaging: 10/5/2021 9:11:32 AM

Accessibility FOIA Privacy Policies and Notices

<u>U.S. Department of the Interior</u> | <u>U.S. Geological Survey</u>

Title: NWIS Site Information for USA: Site Inventory URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=322958103153501

Page Contact Information: New Mexico Water Data Support Team

Page Last Modified: 2021-07-19 11:08:33 EDT

0.27 0.26 caww01





	PHOTOGRAPHIC LOG	
Empire New Mexico,	AJ Adkins Battery #3	NAPP2117561837
LLC	Lea County, New Mexico	

Photo No. Date

1 June 23, 2021

Release extent facing northwest.

Note the small staining outside of

the earthen containment.



Photo No. Date
2 June 23, 2021

Release extent facing west.





	PHOTOGRAPHIC LOG	
Empire New Mexico,	AJ Adkins Battery #3	NAPP2117561837
LLC	Lea County, New Mexico	

Photo No. Date
3 August 31, 2021
View of excavation facing northeast



Photo No. Date

4 September 2,
2021

View of exposed and repaired liner facing west.





	PHOTOGRAPHIC LOG	
Empire New Mexico,	AJ Adkins Battery #3	NAPP2117561837
LLC	Lea County, New Mexico	

Photo No. Date
September 3,
2021

View of backfilled earthen containment and repaired berm

facing southwest.



Photo No.	Date	
6	September 3, 2021	
View of renaired berm and		

View of repaired berm and backfilled excavation near FS01 facing northwest.



_			•		WS	SP USA		BH or PH Name: BH01 9/27/2021				
	11											
	V V			Con	08 West	Stevens S	Site Name: AJ Adkins Battery #3					
				Cal	Isbad, Ne	w Mexico	88220	RP or Incident Number: NAPP2117561837				
			01.00					WSP Job Number: 31403551.000 Task 02.02				
	00.10			SIC / SOIL			G	Logged By: AB Method: Hand Auger				
Lat/Lo	ong: 32.49	1522, -103	3.25751		Field Scre Hach chlo	_	DID	Hole Diameter: 2 inches Total Depth: 1 feet bgs				
Comm	nents: All c	chloride fi	eld scre	enings inclu	de a 40% d	correction	factor	I				
				L- below det								
Moisture Content		Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs) OSU OSU			Lithology/Remarks				
М	BDL	0	N	BH01	0.5	0.5	SC	moist red/brown; no stain; no odor; cohesive, low plasticity				
M	BDL	0	N	BH01	1 -	1	SC	moist red/brown; no stain; no odor; cohesive, low plasticity				
					- - - - -							
							TD	@ 1 ft bgs				
11												

WSD	WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220	BH or PH Name: BH02 9/27/2021 Site Name: AJ Adkins Battery #3 RP or Incident Number: NAPP2117561837									
		WSP Job Number: 31403551.0									
	/ SOIL SAMPLING LOG	Logged By: AB	Method: Hand Auger								
Lat/Long: 32.49522, -103.25751	Field Screening:	Hole Diameter: 2 inches	Total Depth: 1 feet bgs								
Comments: All chloride field screenin	Hach chloride strips, PID										
M-moist; D-dry; Y-yes; N-no; BDL- be	elow detection limits										
	Sample Depth (ft bgs) OSA/SOS/NOS/Sosympton	Lithology/Remarks									
D BDL 0 N B	BH01 0.5 <u>I</u> 0.5 SW dry, b	rown, no odor/stain; trace roo	ots								
D BDL 0 N B	BH01 1 1 SW dry, b	rown, no odor/stain; trace roo	ots								
	TD @ 1 f	bgs									
TD @ 1 ft bgs											

			•		WS	SP USA			BH or PH Name: BH03	9/27/2021		
\	\\					0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	110					
				Col	508 West Isbad, Ne	Site Name: AJ Adkins Battery #3 RP or Incident Number: NAPP2117561837						
		Ш		Cal	isbau, Ne	w wexico	00220		WSP Job Number: 31403551.000 Task 02.02			
		LITLI		NC / COII	CAMDI	INCLO						
Lot/Lo	ong: 32.49			SIC / SOII			G		Logged By: AB	Method: Hand Auger Total Depth: 1 feet bgs		
Lat/Lo	ng. 32.49	1522, -103	0.23731		Field Scre Hach chlo		DID		Hole Diameter: 2 inches	Total Depth: Tieet bgs		
Comm	nents: All c	chloride fi	eld scre	enings inclu	de a 40% o	correction	factor					
M-moi	ist; D-dry;	Y-yes; N-	no; BD	L- below det	ection limit	s						
Moisture Content		Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)			Lithology/Remarks				
D	BDL	0	N	BH01	0.5	0.5	SP	dry, red/b	rown, no odor/stain; trac	e roots		
						+						
D	BDL	0	N	BH01	1	1	SP	dry, red/b	rown, no odor/stain; trac	e roots		
					-	+						
					.	†						
					- -	Ī						
					-	Ļ						
						ł						
					-	t						
						Ī						
\mathbb{H}		<u> </u>]	<u> </u>	TD	<u>(a)</u> 1 ft ba	3			
	TD @ 1 ft bgs											
		Ì										

11	SI			WS	SP USA	BH or PH Name: BH04	9/27/2021				
			5	08 West	Stevens S	Site Name: AJ Adkins Battery #3					
			Car	Isbad, Ne	w Mexico	RP or Incident Number: NAPP2117561837 WSP Job Number: 31403551.000 Task 02.02					
	LITU	21.00	10 / 0011	CAMPI	INCLO	<u> </u>					
Lat/Long: 32			IC / SOIL			G		Logged By: AB Hole Diameter: 2 inches	Method: Hand Au Total Depth: 1 fee		
LavLong. 32	.49522, -103	0.23731		Field Scre Hach chlo	_	PID		Hole Diameter: 2 inches	Total Depth: Ties	et bgs	
Comments: A	All chloride fi	eld scre	enings inclu	de a 40% d	correction	factor					
M-moist; D-d	ry; Y-yes; N-	no; BDI	below det	ection limits	S						
Moisture Content Chloride								Lithology/Remarks			
M BDI	_ 0	Ν	BH01	0.5	0.5		moist red	d/brown; no stain; no o	dor; cohesive, low p	lasticity	
M BDI								solidated; off white; no			
	TD @ 1 ft bgs										

			_		WS	P USA			BH or PH Name: BH05	9/27/2021	
'	// /										
				5	08 West Slsbad, Ne	Stevens S	Street		Site Name: AJ Adkins Battery #3 RP or Incident Number: NAPP2117561837		
				Cal	ispau, ive	wiviexico	00220		WSP Job Number: 31403551.000 Task 02.02		
		LITU		IC / SOIL	CAMDI	INC LO	^				d Avenue
Lot/La	ong: 32.49			IC / SOIL			3		Logged By: AB Hole Diameter: 2 inches	Method: Hand Total Depth: 2	
Lai/L	ong. 32.48	1322, -103.	.23731		Field Scre Hach chlo	_	PID		Hole Diameter. 2 inches	Total Depth.	z reet bgs
Comn	nents: All o	chloride fie	ld scree	enings includ	e a 40% c	orrection fa	actor				
M-mo	ist; D-dry;	Y-yes; N-r	no; BDL	- below dete	ction limits	1	•	1			
Moisture Content	Content Chloride (ppm) Sample # Choride (ppm) Sample # Choride (ppm) Sample # Choride (ppm) Choride (ppm) Sample # Company Choride (ppm) Sample # Company Choride (ppm) Ch							Lithology/Remarks			
M	BDL	15,000	Υ	BH01	1	1	SP	moist, lig	ght brown; no stain; odo	-	
М							dor				
	M BDL 0.6 N BH01 2 2 SP moist, II							@ 2 ft bg	S		

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1098-1

Laboratory Sample Delivery Group: Lea County Client Project/Site: AJ ADKINS BATTERY #3

For:

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

Attn: Tacoma Morrissey

JURAMER

Authorized for release by: 8/19/2021 3:57:59 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

····· Links ·····

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 10/5/2021 9:11:32 AM

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

intended to be the legally binding equivalent of a traditionally handwritten signature.

This report has been electronically signed and authorized by the signatory. Electronic signature is

1

2

3

5

0

9

10

12

13

Client: WSP USA Inc. Laboratory Job ID: 890-1098-1 Project/Site: AJ ADKINS BATTERY #3

SDG: Lea County

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	8
QC Sample Results	9
QC Association Summary	15
Lab Chronicle	17
Certification Summary	19
Method Summary	20
Sample Summary	21
Chain of Custody	22
Receipt Checklists	24

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1098-1 Project/Site: AJ ADKINS BATTERY #3

SDG: Lea County

Qualifiers

GC '	VOA
Quali	ifier

*_	LCS and/or LCSD is outside acceptance limits, low biased
*1	LCS/LCSD RPD exceeds control limits.
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.

Qualifier Description

GC Semi VOA

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

HPLC/IC

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

Glossary

MCL

MDA

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

MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MOI	Method Quantitation Limit

NC	Not Calculated
NC	Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if sho	wr	1)
--	----	----

NEG	Negative / Absent
POS	Positive / Present
POI	Practical Quantitation

PQL	Practical Quantitation Limit
PRES	Presumptive

QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

KL	Reporting Limit of Requested Limit (Radiochemistry)

EPA recommended "Maximum Contaminant Level"

Minimum Detectable Activity (Radiochemistry)

RPD	Relative Percent Difference, a measure of the relative difference between two points
TEE	Tayloity Fault clast Factor (Diavin)

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

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: AJ ADKINS BATTERY #3

Job ID: 890-1098-1

SDG: Lea County

Job ID: 890-1098-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1098-1

Receipt

The samples were received on 8/12/2021 9:19 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

GC VOA

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: SS02 (890-1098-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

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

5

4

5

7

10

13

1 4

Matrix: Solid

Lab Sample ID: 890-1098-1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1098-1 Project/Site: AJ ADKINS BATTERY #3 SDG: Lea County

Client Sample ID: SS01

Date Collected: 08/11/21 13:35 Date Received: 08/12/21 09:19

Sample Depth: - 0.5

	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Benzene	1.09		0.200	mg/Kg		08/14/21 10:30	08/15/21 18:28	100
Toluene	16.5		0.200	mg/Kg		08/14/21 10:30	08/15/21 18:28	100
	16.7		0.200	mg/Kg		08/14/21 10:30	08/15/21 18:28	100
Ethylbenzene			0.400			08/14/21 10:30	08/15/21 18:28	100
m-Xylene & p-Xylene	19.3			mg/Kg				
o-Xylene	7.46		0.200	mg/Kg		08/14/21 10:30	08/15/21 18:28	100
Xylenes, Total	26.8		0.400	mg/Kg		08/14/21 10:30	08/15/21 18:28	100
Total BTEX	61.1		0.400	mg/Kg		08/14/21 10:30	08/15/21 18:28	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	162	S1+	70 - 130			08/14/21 10:30	08/15/21 18:28	100
1,4-Difluorobenzene (Surr)	100		70 - 130			08/14/21 10:30	08/15/21 18:28	100
-								
Method: 8015B NM - Diesel Rar	nge Organics (D	RO) (GC)						
Method: 8015B NM - Diesel Rar Analyte	• •	RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	• •	, , ,	RL	Unit mg/Kg	<u>D</u>	Prepared 08/16/21 08:50	Analyzed 08/16/21 19:13	Dil Fac
Analyte Gasoline Range Organics	Result	, , ,			<u>D</u>	<u>.</u>		
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result 713	, , ,	249	mg/Kg	<u>D</u>	08/16/21 08:50	08/16/21 19:13	5
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over	Result 713 3490	, , ,	249	mg/Kg	<u>D</u>	08/16/21 08:50 08/16/21 08:50	08/16/21 19:13 08/16/21 19:13	5
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result 713 3490 516	Qualifier	249 249 249	mg/Kg mg/Kg mg/Kg	<u>D</u>	08/16/21 08:50 08/16/21 08:50 08/16/21 08:50	08/16/21 19:13 08/16/21 19:13 08/16/21 19:13	5 5 5

Method: 300.0 - Anions, Ion Chron	natography - Solul	ble						
Analyte	Result Quali	ifier RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	64.5	5.00	ma/Ka			08/18/21 12:05	1	

70 - 130

Client Sample ID: SS02 Lab Sample ID: 890-1098-2

Date Collected: 08/11/21 13:37 Date Received: 08/12/21 09:19

Sample Depth: - 0.5

o-Terphenyl

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	7.68		0.200	mg/Kg		08/14/21 10:30	08/15/21 18:49	100
Toluene	176		1.00	mg/Kg		08/14/21 10:30	08/19/21 13:32	500
Ethylbenzene	30.9		0.200	mg/Kg		08/14/21 10:30	08/15/21 18:49	100
m-Xylene & p-Xylene	66.2		0.400	mg/Kg		08/14/21 10:30	08/15/21 18:49	100
o-Xylene	25.9		0.200	mg/Kg		08/14/21 10:30	08/15/21 18:49	100
Xylenes, Total	92.1		0.400	mg/Kg		08/14/21 10:30	08/15/21 18:49	100
Total BTEX	549		2.00	mg/Kg		08/14/21 10:30	08/19/21 13:32	500
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130			08/14/21 10:30	08/15/21 18:49	100
1,4-Difluorobenzene (Surr)	102		70 - 130			08/14/21 10:30	08/15/21 18:49	100

Matrix: Solid

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1098-1 Project/Site: AJ ADKINS BATTERY #3 SDG: Lea County

Client Sample ID: SS02

Date Collected: 08/11/21 13:37 Date Received: 08/12/21 09:19

Sample Depth: - 0.5

Lab Sample ID: 890-1098-2 Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac 08/16/21 08:50 08/16/21 19:33 **Gasoline Range Organics** 3470 249 mg/Kg (GRO)-C6-C10 249 08/16/21 08:50 08/16/21 19:33 **Diesel Range Organics (Over** mg/Kg 13000 C10-C28) **Oll Range Organics (Over** 2060 249 mg/Kg 08/16/21 08:50 08/16/21 19:33 5 C28-C36) 249 08/16/21 08:50 08/16/21 19:33 **Total TPH** 18500 mg/Kg Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1-Chlorooctane 163 S1+ 70 - 130 08/16/21 08:50 08/16/21 19:33 08/16/21 08:50 280 S1+ 70 - 130 08/16/21 19:33 5 o-Terphenyl Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier Unit Dil Fac RL D Prepared Analyzed Chloride 5.04 08/18/21 12:22 33.6 mg/Kg

Client Sample ID: SS03 Lab Sample ID: 890-1098-3

RL

Unit

D

Prepared

Result Qualifier

Date Collected: 08/11/21 13:40 Date Received: 08/12/21 09:19

Analyte

Sample Depth: - 0.5 Method: 8021B - Volatile Organic Compounds (GC)

Benzene	0.324		0.199	mg/Kg		08/14/21 10:30	08/15/21 19:09	100
Toluene	2.50		0.199	mg/Kg		08/14/21 10:30	08/15/21 19:09	100
Ethylbenzene	2.46		0.199	mg/Kg		08/14/21 10:30	08/15/21 19:09	100
m-Xylene & p-Xylene	8.72		0.398	mg/Kg		08/14/21 10:30	08/15/21 19:09	100
o-Xylene	4.13		0.199	mg/Kg		08/14/21 10:30	08/15/21 19:09	100
Xylenes, Total	12.9		0.398	mg/Kg		08/14/21 10:30	08/15/21 19:09	100
Total BTEX	18.1		0.398	mg/Kg		08/14/21 10:30	08/15/21 19:09	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130			08/14/21 10:30	08/15/21 19:09	100
1,4-Difluorobenzene (Surr)	108		70 - 130			08/14/21 10:30	08/15/21 19:09	100
Method: 8015B NM - Diesel Ran	ige Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	299		250	mg/Kg		08/16/21 08:50	08/16/21 19:55	
(GRO)-C6-C10	255		200	mg/rtg		00/.0/21 00:00	00/10/21 10:00	5
(GRO)-C6-C10 Diesel Range Organics (Over	5090		250	mg/Kg		08/16/21 08:50	08/16/21 19:55	
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over				0 0				5 5
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	5090		250	mg/Kg		08/16/21 08:50	08/16/21 19:55	5
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	5090 810		250 250	mg/Kg mg/Kg		08/16/21 08:50 08/16/21 08:50	08/16/21 19:55 08/16/21 19:55	5
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	5090 810 6200		250 250 250	mg/Kg mg/Kg		08/16/21 08:50 08/16/21 08:50 08/16/21 08:50	08/16/21 19:55 08/16/21 19:55 08/16/21 19:55	5 5 Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	5090 810 6200 %Recovery		250 250 250 <i>Limits</i>	mg/Kg mg/Kg		08/16/21 08:50 08/16/21 08:50 08/16/21 08:50 Prepared	08/16/21 19:55 08/16/21 19:55 08/16/21 19:55 Analyzed	5 5 <i>Dil Fac</i>
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane	5090 810 6200 	Qualifier	250 250 250 Limits 70 - 130	mg/Kg mg/Kg		08/16/21 08:50 08/16/21 08:50 08/16/21 08:50 Prepared 08/16/21 08:50	08/16/21 19:55 08/16/21 19:55 08/16/21 19:55 Analyzed 08/16/21 19:55	5 5 <i>Dil Fac</i>
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate 1-Chlorooctane o-Terphenyl	5090 810 6200 <u>%Recovery</u> 107 129 romatography -	Qualifier	250 250 250 Limits 70 - 130	mg/Kg mg/Kg	D	08/16/21 08:50 08/16/21 08:50 08/16/21 08:50 Prepared 08/16/21 08:50	08/16/21 19:55 08/16/21 19:55 08/16/21 19:55 Analyzed 08/16/21 19:55	5

Eurofins Xenco, Carlsbad

Matrix: Solid

Dil Fac

Analyzed

8/19/2021

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1098-1 Project/Site: AJ ADKINS BATTERY #3 SDG: Lea County

Client Sample ID: SS04

Date Collected: 08/11/21 13:42 Date Received: 08/12/21 09:19

Sample Depth: - 0.5

1-Chlorooctane

o-Terphenyl

Lab Sample ID: 030-1030-4	ample ID: 890-10	098-4
---------------------------	------------------	-------

08/16/21 08:50

08/16/21 08:50

08/16/21 20:16

08/16/21 20:16

5

5

Matrix: Solid

	5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2.90		0.198	mg/Kg		08/14/21 10:30	08/15/21 19:30	100
Toluene	28.1		0.198	mg/Kg		08/14/21 10:30	08/15/21 19:30	100
Ethylbenzene	28.2		0.198	mg/Kg		08/14/21 10:30	08/15/21 19:30	100
m-Xylene & p-Xylene	28.8		0.396	mg/Kg		08/14/21 10:30	08/15/21 19:30	100
o-Xylene	10.4		0.198	mg/Kg		08/14/21 10:30	08/15/21 19:30	100
Xylenes, Total	39.2		0.396	mg/Kg		08/14/21 10:30	08/15/21 19:30	100
Total BTEX	98.4		0.396	mg/Kg		08/14/21 10:30	08/15/21 19:30	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	194	S1+	70 - 130	08/14/21 10:30	08/15/21 19:30	100
1,4-Difluorobenzene (Surr)	100		70 - 130	08/14/21 10:30	08/15/21 19:30	100

Method: 8015B NM - Diesel Ra	nge Organics (DF	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	1410		250	mg/Kg		08/16/21 08:50	08/16/21 20:16	5
Diesel Range Organics (Over C10-C28)	6690		250	mg/Kg		08/16/21 08:50	08/16/21 20:16	5
Oll Range Organics (Over C28-C36)	780		250	mg/Kg		08/16/21 08:50	08/16/21 20:16	5
Total TPH	8880		250	mg/Kg		08/16/21 08:50	08/16/21 20:16	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Method: 300.0 - Anions, Ion Chromatography - Soluble								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.7		4.95	mg/Kg			08/18/21 12:44	1

70 - 130

70 - 130

125

128

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1098-1 Project/Site: AJ ADKINS BATTERY #3 SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-5071-A-1-H MS	Matrix Spike	120	103	
880-5071-A-1-I MSD	Matrix Spike Duplicate	112	104	
880-5187-A-21-A MS	Matrix Spike	114	89	
880-5187-A-21-B MSD	Matrix Spike Duplicate	138 S1+	79	
890-1098-1	SS01	162 S1+	100	
890-1098-2	SS02	151 S1+	102	
890-1098-3	SS03	146 S1+	108	
890-1098-4	SS04	194 S1+	100	
LCS 880-6540/1-A	Lab Control Sample	114	99	
LCS 880-6685/1-A	Lab Control Sample	103	95	
LCSD 880-6540/2-A	Lab Control Sample Dup	110	103	
LCSD 880-6685/2-A	Lab Control Sample Dup	117	91	
MB 880-6514/5-A	Method Blank	105	94	
MB 880-6540/5-A	Method Blank	144 S1+	94	
MB 880-6685/5-A	Method Blank	121	72	
MB 880-6723/5-A	Method Blank	93	106	

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)	
890-1098-1	SS01	111	94	
890-1098-2	SS02	163 S1+	280 S1+	
890-1098-3	SS03	107	129	
890-1098-4	SS04	125	128	
890-1100-A-81-H MS	Matrix Spike	92	87	
890-1100-A-81-I MSD	Matrix Spike Duplicate	91	88	
LCS 880-6589/2-A	Lab Control Sample	97	97	
LCSD 880-6589/3-A	Lab Control Sample Dup	98	99	
MB 880-6589/1-A	Method Blank	107	118	

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: WSP USA Inc. Job ID: 890-1098-1 Project/Site: AJ ADKINS BATTERY #3 SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-6514/5-A

Matrix: Solid

Analysis Batch: 6493

Client	Sample	ID:	Method	Blank

Prep Type: Total/NA

Prep Batch: 6514

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/14/21 10:00	08/14/21 21:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/14/21 10:00	08/14/21 21:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/14/21 10:00	08/14/21 21:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/14/21 10:00	08/14/21 21:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/14/21 10:00	08/14/21 21:22	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/14/21 10:00	08/14/21 21:22	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		08/14/21 10:00	08/14/21 21:22	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/14/21 10:00	08/14/21 21:22	1
1,4-Difluorobenzene (Surr)	94		70 - 130	08/14/21 10:00	08/14/21 21:22	1

Lab Sample ID: MB 880-6540/5-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 6493

MB MB

Prep Type: Total/NA

Prep Batch: 6540

Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200	mg/Kg		08/14/21 10:30	08/15/21 08:12	1
<0.00200 U	U	0.00200	mg/Kg		08/14/21 10:30	08/15/21 08:12	1
<0.00200 U	U	0.00200	mg/Kg		08/14/21 10:30	08/15/21 08:12	1
<0.00400 U	U	0.00400	mg/Kg		08/14/21 10:30	08/15/21 08:12	1
<0.00200 U	U	0.00200	mg/Kg		08/14/21 10:30	08/15/21 08:12	1
<0.00400 U	U	0.00400	mg/Kg		08/14/21 10:30	08/15/21 08:12	1
<0.00400 U	U	0.00400	mg/Kg		08/14/21 10:30	08/15/21 08:12	1
	<0.00200 <0.00200 <0.00200 <0.00400 <0.00200 <0.00400	Result Qualifier <0.00200	<0.00200 U 0.00200 <0.00200 U 0.00200 <0.00200 U 0.00200 <0.00400 U 0.00400 <0.00200 U 0.00200 <0.00200 U 0.00200 <0.00400 U 0.00400	<0.00200	<0.00200	<0.00200	<0.00200 U 0.00200 mg/Kg 08/14/21 10:30 08/15/21 08:12 <0.00200

мв мв

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	144 S1+	70 - 130	08/14/21 10:30	08/15/21 08:12	1
1.4-Difluorobenzene (Surr)	94	70 - 130	08/14/21 10:30	08/15/21 08:12	1

Lab Sample ID: LCS 880-6540/1-A

Matrix: Solid

Analysis Batch: 6493

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 6540

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.09095		mg/Kg		91	70 - 130	
Toluene	0.100	0.08876		mg/Kg		89	70 - 130	
Ethylbenzene	0.100	0.09037		mg/Kg		90	70 - 130	
m-Xylene & p-Xylene	0.200	0.1852		mg/Kg		93	70 - 130	
o-Xylene	0.100	0.09364		mg/Kg		94	70 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 _ 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Client: WSP USA Inc. Job ID: 890-1098-1 Project/Site: AJ ADKINS BATTERY #3 SDG: Lea County

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

Lab Sample ID: LCSD 880-6540/2-A

Analysis Batch: 6493

Matrix: Solid

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 6540

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.09520		mg/Kg		95	70 - 130	5	35
Toluene	0.100	0.09209		mg/Kg		92	70 - 130	4	35
Ethylbenzene	0.100	0.09133		mg/Kg		91	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.1858		mg/Kg		93	70 - 130	0	35
o-Xylene	0.100	0.09366		mg/Kg		94	70 - 130	0	35

LCSD LCSD %Recovery Qualifier

Surrogate Limits 70 - 130 4-Bromofluorobenzene (Surr) 110 70 - 130 1,4-Difluorobenzene (Surr) 103

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 6540

Lab Sample ID: 880-5071-A-1-H MS **Matrix: Solid**

Analysis Batch: 6493

Sam	ole Sample	Spike	MS	MS				%Rec.	
Analyte Res	ult Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene <0.002	00 U	0.100	0.08921		mg/Kg		89	70 - 130	
Toluene <0.002	00 U	0.100	0.08706		mg/Kg		87	70 - 130	
Ethylbenzene <0.002	00 U	0.100	0.08364		mg/Kg		84	70 - 130	
m-Xylene & p-Xylene <0.003	99 U	0.200	0.1726		mg/Kg		86	70 - 130	
o-Xylene <0.002	00 U	0.100	0.08778		mg/Kg		87	70 - 130	

MS MS

Surrogate	%Recovery Qua	alifier Limits
4-Bromofluorobenzene (Surr)	120	70 - 130
1,4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: 880-5071-A-1-I MSD

Matrix: Solid

Analysis Batch: 6493

Client Sample	ID:	Matrix	Spike	Duplicate
		_	_	

Prep Type: Total/NA

Prep Batch: 6540

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	<0.00200	U	0.0996	0.08399		mg/Kg		84	70 - 130	6	35	
Toluene	<0.00200	U	0.0996	0.07969		mg/Kg		80	70 - 130	9	35	
Ethylbenzene	<0.00200	U	0.0996	0.07637		mg/Kg		77	70 - 130	9	35	
m-Xylene & p-Xylene	<0.00399	U	0.199	0.1571		mg/Kg		79	70 - 130	9	35	
o-Xylene	<0.00200	U	0.0996	0.07950		mg/Kg		79	70 - 130	10	35	

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	104	70 - 130

Lab Sample ID: MB 880-6685/5-A

Matrix: Solid

Analysis Batch: 6749

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6685

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg	_	08/17/21 15:45	08/19/21 05:12	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/17/21 15:45	08/19/21 05:12	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/17/21 15:45	08/19/21 05:12	1

Eurofins Xenco, Carlsbad

Page 10 of 25

Client: WSP USA Inc. Job ID: 890-1098-1 SDG: Lea County Project/Site: AJ ADKINS BATTERY #3

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

Lab Sample ID: MB 880-6685/5-A

Matrix: Solid

Analysis Batch: 6749

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6685

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/17/21 15:45	08/19/21 05:12	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/17/21 15:45	08/19/21 05:12	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/17/21 15:45	08/19/21 05:12	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		08/17/21 15:45	08/19/21 05:12	1

MB MB

Surrogate	%Recovery (Qualifier Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121	70 - 130	08/17/21 15:45	08/19/21 05:12	1
1,4-Difluorobenzene (Surr)	72	70 - 130	08/17/21 15:45	08/19/21 05:12	1

Lab Sample ID: LCS 880-6685/1-A

Matrix: Solid

Analysis Batch: 6749

Client Sample ID: Lab Control Sample

Prep Type: Total/NA Prep Batch: 6685

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.05597	*_	mg/Kg		56	70 - 130	
Toluene	0.100	0.09595		mg/Kg		96	70 - 130	
Ethylbenzene	0.100	0.1005		mg/Kg		100	70 - 130	
m-Xylene & p-Xylene	0.200	0.1748		mg/Kg		87	70 - 130	
o-Xylene	0.100	0.08780		mg/Kg		88	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	103	70 - 130
1,4-Difluorobenzene (Surr)	95	70 - 130

Lab Sample ID: LCSD 880-6685/2-A

Matrix: Solid

Analysis Batch: 6749

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 6685

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.08161	*1	mg/Kg		82	70 - 130	37	35
Toluene	0.100	0.09143		mg/Kg		91	70 - 130	5	35
Ethylbenzene	0.100	0.1038		mg/Kg		104	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.1934		mg/Kg		97	70 - 130	10	35
o-Xylene	0.100	0.1013		mg/Kg		101	70 - 130	14	35

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	117	70 - 130
1,4-Difluorobenzene (Surr)	91	70 - 130

Lab Sample ID: 880-5187-A-21-A MS

Matrix: Solid

Analysis Batch: 6749

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

Prep Batch: 6685

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1 *- *1	0.100	0.04436	F1	mg/Kg		43	70 - 130	
Toluene	<0.00200	U F1	0.100	0.06508	F1	mg/Kg		63	70 - 130	
Ethylbenzene	<0.00200	U	0.100	0.07879		mg/Kg		79	70 - 130	
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1460		mg/Kg		72	70 - 130	

Client: WSP USA Inc. Job ID: 890-1098-1 Project/Site: AJ ADKINS BATTERY #3 SDG: Lea County

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

Lab Sample ID: 880-5187-A-21-A MS

Lab Sample ID: 880-5187-A-21-B MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 6749

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 6685

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits D <0.00200 U F1 0.100 0.06844 F1 mg/Kg 68 70 - 130 o-Xylene

MS MS %Recovery Qualifier Limits Surrogate 4-Bromofluorobenzene (Surr) 114 70 - 130 70 - 130 1,4-Difluorobenzene (Surr) 89

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 6723

Prep Batch: 6685

Analysis Batch: 6749 MSD MSD RPD Sample Sample Spike %Rec. Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit D 0.06278 F1 Benzene <0.00200 U F1 *- *1 0.0996 mg/Kg 62 70 - 130 34 35 Toluene <0.00200 U F1 0.0996 0.08571 mg/Kg 84 70 - 130 27 35 Ethylbenzene <0.00200 U 0.0996 0.09672 mg/Kg 97 70 - 130 20 35 m-Xylene & p-Xylene <0.00400 0.199 0.1758 mg/Kg 87 70 - 130 19 35 <0.00200 0.0996 0.08877 89 70 - 130 35 o-Xylene U F1 mg/Kg 26

MSD MSD Surrogate %Recovery Qualifier Limits 4-Bromofluorobenzene (Surr) 138 S1+ 70 - 130 1,4-Difluorobenzene (Surr) 70 70 - 130

Lab Sample ID: MB 880-6723/5-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

мв мв

Result Qualifier RL D Prepared Dil Fac Analyte Unit Analyzed Benzene <0.00200 0.00200 mg/Kg 08/18/21 10:40 08/18/21 18:13 Toluene <0.00200 U 0.00200 08/18/21 10:40 08/18/21 18:13 mg/Kg Ethylbenzene <0.00200 U 0.00200 mg/Kg 08/18/21 10:40 08/18/21 18:13 m-Xylene & p-Xylene <0.00400 U 0.00400 08/18/21 10:40 08/18/21 18:13 mg/Kg o-Xylene <0.00200 U 0.00200 mg/Kg 08/18/21 10:40 08/18/21 18:13 Xylenes, Total <0.00400 U 0.00400 mg/Kg 08/18/21 10:40 08/18/21 18:13 Total BTEX <0.00400 U 0.00400 08/18/21 10:40 08/18/21 18:13 mg/Kg

MB MB Dil Fac Surrogate %Recovery Qualifier Limits Prepared Analyzed 4-Bromofluorobenzene (Surr) 93 70 - 130 08/18/21 10:40 08/18/21 18:13 1,4-Difluorobenzene (Surr) 106 70 - 130 08/18/21 10:40 08/18/21 18:13

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

Lab Sample ID: MB 880-6589/1-A

Matrix: Solid

Analysis Batch: 6749

Analysis Batch: 6591							Prep Bate	ch: 6589
	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		08/16/21 08:50	08/16/21 11:24	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		08/16/21 08:50	08/16/21 11:24	1

Eurofins Xenco, Carlsbad

Client Sample ID: Method Blank

Prep Type: Total/NA

Client: WSP USA Inc. Job ID: 890-1098-1 SDG: Lea County Project/Site: AJ ADKINS BATTERY #3

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

Lab Sample ID: MB 880-6589/1-A

Matrix: Solid

Analysis Batch: 6591

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 6589

Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0 l	U	50.0	mg/Kg		08/16/21 08:50	08/16/21 11:24	1
Total TPH	<50.0 l	U	50.0	mg/Kg		08/16/21 08:50	08/16/21 11:24	1

мв мв

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	08/16/21 08:	08/16/21 11:24	1
o-Terphenyl	118		70 - 130	08/16/21 08:	50 08/16/21 11:24	1

Lab Sample ID: LCS 880-6589/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 6591

Prep Type: Total/NA

Prep Batch: 6589

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	814.9		mg/Kg		81	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	832.6		mg/Kg		83	70 - 130	
C10-C28)								

LCS LCS

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

Lab Sample ID: LCSD 880-6589/3-A

Matrix: Solid

Analysis Batch: 6591

Client Sam	ple ID: I	Lab Contro	Sample	e Dup

Prep Type: Total/NA

Prep Batch: 6589

	Spik	e LCSD	LCSD			%Rec.		RPD
Analyte	Adde	d Result	Qualifier	Unit D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	100	902.4		mg/Kg	90	70 - 130	10	20
(GRO)-C6-C10								
Diesel Range Organics (Over	100	833.9		mg/Kg	83	70 - 130	0	20
C10-C28)								

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	98	70 - 130
o-Terphenyl	99	70 - 130

Lab Sample ID: 890-1100-A-81-H MS

Matrix: Solid

Analysis Batch: 6591

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

Prep Batch: 6589

	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	<50.0	U	995	1032		mg/Kg		104	70 - 130
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	995	843.5		mg/Kg		85	70 - 130
C10 C28)									

C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	87		70 - 130

Client: WSP USA Inc. Job ID: 890-1098-1 Project/Site: AJ ADKINS BATTERY #3 SDG: Lea County

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

Lab Sample ID: 890-1100-A-81-I MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA Analysis Batch: 6591 Prep Batch: 6589

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<50.0	U	998	981.7		mg/Kg		98	70 - 130	5	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<50.0	U	998	844.9		mg/Kg		85	70 - 130	0	20
C10-C28)											

	MSD MS	SD	
Surrogate	%Recovery Qu	ualifier	Limits
1-Chlorooctane	91		70 - 130
o-Terphenyl	88		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-6602/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6718

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/18/21 10:30	1

Lab Sample ID: LCS 880-6602/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 6718

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	254.3		mg/Kg		102	90 - 110	

Lab Sample ID: LCSD 880-6602/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6718

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	254.6		mg/Kg		102	90 - 110	0	20	

Lab Sample ID: 890-1098-1 MS **Client Sample ID: SS01 Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6718

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	64.5		250	308.9		ma/Ka	_	98	90 110	

Lab Sample ID: 890-1098-1 MSD **Client Sample ID: SS01 Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 6718

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	64.5		250	309.4		mg/Kg		98	90 - 110	0	20

QC Association Summary

Client: WSP USA Inc.

Project/Site: AJ ADKINS BATTERY #3

Job ID: 890-1098-1

SDG: Lea County

GC VOA

Analysis Batch: 6493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1098-1	SS01	Total/NA	Solid	8021B	6540
890-1098-2	SS02	Total/NA	Solid	8021B	6540
890-1098-3	SS03	Total/NA	Solid	8021B	6540
890-1098-4	SS04	Total/NA	Solid	8021B	6540
MB 880-6514/5-A	Method Blank	Total/NA	Solid	8021B	6514
MB 880-6540/5-A	Method Blank	Total/NA	Solid	8021B	6540
LCS 880-6540/1-A	Lab Control Sample	Total/NA	Solid	8021B	6540
LCSD 880-6540/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6540
880-5071-A-1-H MS	Matrix Spike	Total/NA	Solid	8021B	6540
880-5071-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	6540

Prep Batch: 6514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-6514/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 6540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1098-1	SS01	Total/NA	Solid	5035	_
890-1098-2	SS02	Total/NA	Solid	5035	
890-1098-3	SS03	Total/NA	Solid	5035	
890-1098-4	SS04	Total/NA	Solid	5035	
MB 880-6540/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6540/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6540/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5071-A-1-H MS	Matrix Spike	Total/NA	Solid	5035	
880-5071-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 6685

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-6685/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-6685/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-6685/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5187-A-21-A MS	Matrix Spike	Total/NA	Solid	5035	
880-5187-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 6723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-6723/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 6749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1098-2	SS02	Total/NA	Solid	8021B	6540
MB 880-6685/5-A	Method Blank	Total/NA	Solid	8021B	6685
MB 880-6723/5-A	Method Blank	Total/NA	Solid	8021B	6723
LCS 880-6685/1-A	Lab Control Sample	Total/NA	Solid	8021B	6685
LCSD 880-6685/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	6685
880-5187-A-21-A MS	Matrix Spike	Total/NA	Solid	8021B	6685
880-5187-A-21-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	6685

Eurofins Xenco, Carlsbad

Released to Imaging: 10/5/2021 9:11:32 AM

2

3

_

Ö

10

11

13

14

QC Association Summary

Client: WSP USA Inc.

Project/Site: AJ ADKINS BATTERY #3

Job ID: 890-1098-1

SDG: Lea County

GC Semi VOA

Prep Batch: 6589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1098-1	SS01	Total/NA	Solid	8015NM Prep	
890-1098-2	SS02	Total/NA	Solid	8015NM Prep	
890-1098-3	SS03	Total/NA	Solid	8015NM Prep	
890-1098-4	SS04	Total/NA	Solid	8015NM Prep	
MB 880-6589/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-6589/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-6589/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1100-A-81-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1100-A-81-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 6591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1098-1	SS01	Total/NA	Solid	8015B NM	6589
890-1098-2	SS02	Total/NA	Solid	8015B NM	6589
890-1098-3	SS03	Total/NA	Solid	8015B NM	6589
890-1098-4	SS04	Total/NA	Solid	8015B NM	6589
MB 880-6589/1-A	Method Blank	Total/NA	Solid	8015B NM	6589
LCS 880-6589/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	6589
LCSD 880-6589/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	6589
890-1100-A-81-H MS	Matrix Spike	Total/NA	Solid	8015B NM	6589
890-1100-A-81-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	6589

HPLC/IC

Leach Batch: 6602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1098-1	SS01	Soluble	Solid	DI Leach	
890-1098-2	SS02	Soluble	Solid	DI Leach	
890-1098-3	SS03	Soluble	Solid	DI Leach	
890-1098-4	SS04	Soluble	Solid	DI Leach	
MB 880-6602/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-6602/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-6602/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1098-1 MS	SS01	Soluble	Solid	DI Leach	
890-1098-1 MSD	SS01	Soluble	Solid	DI Leach	

Analysis Batch: 6718

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1098-1	SS01	Soluble	Solid	300.0	6602
890-1098-2	SS02	Soluble	Solid	300.0	6602
890-1098-3	SS03	Soluble	Solid	300.0	6602
890-1098-4	SS04	Soluble	Solid	300.0	6602
MB 880-6602/1-A	Method Blank	Soluble	Solid	300.0	6602
LCS 880-6602/2-A	Lab Control Sample	Soluble	Solid	300.0	6602
LCSD 880-6602/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	6602
890-1098-1 MS	SS01	Soluble	Solid	300.0	6602
890-1098-1 MSD	SS01	Soluble	Solid	300.0	6602

Eurofins Xenco, Carlsbad

Released to Imaging: 10/5/2021 9:11:32 AM

2

-

5

8

46

11

13

14

Client: WSP USA Inc.

Project/Site: AJ ADKINS BATTERY #3

Job ID: 890-1098-1

SDG: Lea County

Client Sample ID: SS01

Lab Sample ID: 890-1098-1

Matrix: Solid

Date Collected: 08/11/21 13:35 Date Received: 08/12/21 09:19

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	6540	08/14/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	6493	08/15/21 18:28	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	6589	08/16/21 08:50	DM	XEN MID
Total/NA	Analysis	8015B NM		5			6591	08/16/21 19:13	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	6602	08/16/21 11:10	СН	XEN MID
Soluble	Analysis	300.0		1			6718	08/18/21 12:05	CH	XEN MID

Client Sample ID: SS02

Date Collected: 08/11/21 13:37 Date Received: 08/12/21 09:19 Lab Sample ID: 890-1098-2

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.00 g 5 mL 6540 08/14/21 10:30 KL XEN MID Total/NA 8021B XEN MID 500 5 mL 5 mL 6749 08/19/21 13:32 KL Analysis Total/NA 5035 KL XEN MID Prep 5.00 q 5 mL 6540 08/14/21 10:30 Total/NA 8021B XEN MID Analysis 100 5 mL 5 mL 6493 08/15/21 18:49 KL Total/NA XEN MID Prep 8015NM Prep 10.04 g 10 mL 6589 08/16/21 08:50 DM Total/NA Analysis 8015B NM 5 6591 08/16/21 19:33 ΑJ XEN MID 50 mL 6602 08/16/21 11:10 XEN MID Soluble Leach DI Leach 4.96 g 08/18/21 12:22 CH Soluble Analysis 300.0 1 6718 XEN MID

Client Sample ID: SS03

Date Collected: 08/11/21 13:40

Date Received: 08/12/21 09:19

Lab Sample ID: 890-1098-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	6540	08/14/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	6493	08/15/21 19:09	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	6589	08/16/21 08:50	DM	XEN MID
Total/NA	Analysis	8015B NM		5			6591	08/16/21 19:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	6602	08/16/21 11:10	CH	XEN MID
Soluble	Analysis	300.0		1			6718	08/18/21 12:28	CH	XEN MID

Client Sample ID: SS04

Date Collected: 08/11/21 13:42

Date Received: 08/12/21 09:19

Lab Sample ID: 890-1098-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	6540	08/14/21 10:30	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	6493	08/15/21 19:30	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	6589	08/16/21 08:50	DM	XEN MID
Total/NA	Analysis	8015B NM		5			6591	08/16/21 20:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	6602	08/16/21 11:10	CH	XEN MID
Soluble	Analysis	300.0		1			6718	08/18/21 12:44	CH	XEN MID

Lab Chronicle

Client: WSP USA Inc.

Project/Site: AJ ADKINS BATTERY #3

Laboratory References:

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

Job ID: 890-1098-1 SDG: Lea County

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-1098-1 Project/Site: AJ ADKINS BATTERY #3

SDG: Lea County

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	Total TPH	
8021B	5035	Solid	Total BTEX	

Method Summary

Client: WSP USA Inc.

Project/Site: AJ ADKINS BATTERY #3

Job ID: 890-1098-1

SDG: Lea County

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

3

4

_

9

11

12

14

Sample Summary

Client: WSP USA Inc.

Project/Site: AJ ADKINS BATTERY #3

Job ID: 890-1098-1

SDG: Lea

a Co	unty	

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	
890-1098-1	SS01	Solid	08/11/21 13:35	08/12/21 09:19	- 0.5	
890-1098-2	SS02	Solid	08/11/21 13:37	08/12/21 09:19	- 0.5	
890-1098-3	SS03	Solid	08/11/21 13:40	08/12/21 09:19	- 0.5	
890-1098-4	SS04	Solid	08/11/21 13:42	08/12/21 09:19	- 0.5	

Chain of Custody

City, State ZIP Project Manager Company Name: eurofins WSP USA TACOMA 3300 N MUDLAND X Xenco Environment Testing MORRISSEY St Address: Bill to: (if different) Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

anna.

2

CU

msp, com

Reporting: Level II 🗌 Level III 🗍 PST/UST 📗 TRRP 📗

Level IV

ADaPT 🗆

Preservative Codes

Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐

Work Order Comments

www.xenco.com

Page

Deliverables: EDD

State of Project

	Work
	Work Order No:
	No:
•	

Project Name: Project Location: Sampler's Name: PO#:	AT ADKINS BY LEA COUNTY	ADENS BATTERY # 3	Turn Around Rush Rush Due Date:		rs Code			BKE.E)		ANALYSIS REQUEST	REQUEST		+	TIO Z	None: NO DI Water: I Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na	23
SAMPLE RECEIPT Samples Received Intact: Cooler Custody Seals: Sample Custody Seals: Total Containers:	Temp Bla	\triangleright	Thermometer ID: Correction Factor: Temperature Reading: Corrected Temperature:	4.2 4.2 W OB	Paramete		X(EPA BRZI	oride (EPA ?		890-1098 Chi	Chain of Custody	- V		ZNZZI	ש עם עם – יעבן	H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC
Sample Identification		Matrix Date Sampled	Time [Depth Grab/	# of Cont	TPH		Chl								Sample Comments
5501		5 8/11/21	1335 1	Ø.5' Brok	-	×	×	×								
5502		5 8/11/21		Ø.5°	-	×	X	×	_			 -	 -	-		
SS \$ 3		3 8/1/21	1346 8	78.5	-	×	Y	×						\vdash		
SSØ4		S 8/11/21	1342	8.5.	_	×	X	×	4			+		+	ı	
						s f	1	$ \!$	_						. 1	
						2	1					#				
															H I	
Total 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	0 200.8 / 6020: 1 Metal(s) to be an		8RCRA 13PPM TCLP/3PLP	CRA 13PPM Texas 11 AI		A S	Ba Be s Ba Be		Cd Ca	3 Cd Ca Cr Co Cu Fe Pb Cd Cr Co Cu Pb Mn Mo	Pb Mg Mn Mo Ni Mo Ni Se Ag Ti U	크 º ㄷ 꼭 ㅈ	الما	0 ₂ Na 31 / 2 ⁴		Se Ag SiO ₂ Na Sr Tl Sn U V Z Hg: 1631 / 245.1 / 7470 / 7471
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the cilent if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	cument and relinquish will be liable only for th num charge of \$85.00 w	ment of samples con ne cost of samples ar ill be applied to each	stitutes a valid puro id shall not assume project and a char	chase order from one any responsibility rge of \$5 for each	lient cor for any sample s	npany to losses ubmitte	o Eurofi or expe d to Eur	ns Xeno nses in rofins X	co, its af	filiates and subcontr y the client if such lo ut not analyzed. Thes	actors. It assigns standard terms and conditions sees are due to circumstances beyond the control e terms will be enforced unless previously negotiat	andard term umstances b	s and condition eyond the con- previously nego	ns trol otiated.	11 11	
Relinquished by: (Signature)	(Signature)	Receive	Received by (Signature	re)	α.	Date/Time	$Q^{\frac{1}{100}}$. 50	Reli	Relinquished by: (Signature)	gnature)	Receiv	Received by: (Signature)	nature		
5								6								Revised Date: 08/25/2020 Rev. 2020 2

Eurofins Xenco, Carlsbad

1089 N Canal St. Carlsbad NM 88220 Phone 575-988-3199 Fax. 575-988-3199

Chain of Custody Record

Environment Testing America

	Sampler:			Lab PM	.			١		Carri	Carrier Tracking No(s)	king N	(S)	١		COC No		 /19
Client Contact.	Phone			Kramer, Jessica	essica					}		1				890-348 1		۸
Shipping/Receiving			Je	Jessica kramer@eurofinse	amer@	eurofir	set.com	3		Nev	New Mexico	8 🗎				Page 1 of 1		
Eurofins Xenco				Accre	Accreditations Required (See note) NELAP - Louisiana NELAP	Require	d (See n		Texas									
Address 1211 W Fiorida Ave,	Due Date Requested 8/18/2021	ď					.	Analysis	is Re	Requested	ře		١			Code	1	
City Midland	TAT Requested (days)	ys)		neder delle	in and and and and and and and and and an	\dashv	\dashv	_\		\exists				\dashv		A HCL B NaOH C Zn Acetate	M Hexane N None	
State Zip TX 79701				il e desira	Studenostrud										vetanented	Nitric Acid NaHSO4		
Phone 432-704-5440(Tel)	PO#			0)	TPH	de									garan anagar enter 1881 ann 18	MeOH Amchlor		
Email	WO #			ommune en e	Reference and the	Chlori									S.	Ice DI Water	U Acetone V MCAA	
Project Name: AJ ADKINS BATTERY #3	Project #: 89000048			and the second second	100000000/00										taine	K EDTA		
Site	SSOW#			0.0710000000000000000000000000000000000					•••••						and and the	Other		
		,		red Sa	COMPRESSOR STATE										ber of			
		(D	m.º. ~	eld Filte erform V	15MOD_I	0_ORGFI 21B/5035									tal Num			
			Preservation Code:	X	300000	many .	1		-			1		1004	ΧĮ	opecial ins	opecial instructions/Note.	25
SS01 (890-1098-1)	8/11/21		Solid		×	×			100	12.00					, 20m	The second secon		3 of
SS02 (890-1098-2)	8/11/21	13 37 Mountain	Solid		×	×												ie 2
SS03 (890-1098-3)	8/11/21	13 40 Mountain	Solid		×	×									-4-		The state of the s	Pac
SS04 (890-1098-4)	8/11/21	13 42 Mountain	Solid		×	×	^								A			
							<u> </u>											
				<u> </u>		+	-		-	 		╀	┼	+			***************************************	
						1	1		-	+		-		+				
Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories 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 instruction 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 sa urn the signed Chain c	of method analyte amples must be sh of Custody attestin	e & accreditation com ipped back to the Eu g to said complicance	pliance up ofins Xend to Eurofin	on out su to LLC la	abcontrade boratory LLC	ot labora	aboratories This sample shipment other instructions will be provided	This sar	nple sh I be pro	ipment vided	is forw Any ch	arded u	nder cl	nain-of editatio	f-custody If the labora on status should be bro	This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently stions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco.	
Possible Hazard Identification				S	Sample Disposal	Dispo		6	may be assessed if samples	asse	ssed	if san]are r	tain	are retained longer than 1 i	month)	
Deliverable Requested I II III IV Other (specify)	Primary Deliverable Rank 2	ble Rank 2		S	Special Instruction	al Instructions/QC	lions/C	ns/QC Requirements	urem	ents	ents						топпо	
Empty Kit Relinquished by		Date		Time				و ا			Metho	d of St	Method of Shipment.					
Relinquished by	Pate/Time:	01:10	Company		Recei	Received by:				,			Date/Time		yponicono ^N	5	Company	
Relinquished by			Company		Recei	Received by	60	6					Dat6/Time	ĕ			Company	
]	Date/Time		Company		Recei	Received by							Date/Time	ē	l		Company	
Custody Seals Intact. Custody Seal No △ Yes △ No					Coole	Cooler Temperature(s) °C and Other Remarks.	rature(s	°C and	Other F	Remark	,s							

Login Sample Receipt Checklist

Client: WSP USA Inc. Job Numl

Job Number: 890-1098-1 SDG Number: Lea County

List Source: Eurofins Xenco, Carlsbad

Login Number: 1098 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	

1

Eurofins Xenco, Carlsbad

<6mm (1/4").

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1098-1 SDG Number: Lea County

Login Number: 1098 List Source: Eurofins Xenco, Midland List Number: 2 List Creation: 08/13/21 11:22 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	

Released to Imaging: 10/5/2021 9:11:32 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: 890-1188-1

Client Project/Site: AJ Adkins Battery #3

For:

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

Attn: Tacoma Morrissey

NEAMER

Authorized for release by: 8/31/2021 6:27:56 PM

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

.....LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

n/Env

Released to Imaging: 10/5/2021 9:11:32 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

6

7

0

10

12

13

М

Laboratory Job ID: 890-1188-1

Client: WSP USA Inc. Project/Site: AJ Adkins Battery #3

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	12
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receint Checklists	20

3

4

6

8

10

12

13

14

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1188-1

Project/Site: AJ Adkins Battery #3

Qualifiers

GC VOA

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

GC Semi VOA

ualifier Descriptior

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualitier Description

U Indicates the analyte was analyzed for but not detected.

Glossary

LOD

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)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

Limit of Detection (DoD/DOE)

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

NC Not Calculated

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

 NEG
 Negative / Absent

 POS
 Positive / Present

 PQL
 Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc. Job ID: 890-1188-1

Project/Site: AJ Adkins Battery #3

Job ID: 890-1188-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1188-1

Receipt

The samples were received on 8/27/2021 4:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7288 and analytical batch 880-7310 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The following sample was diluted due to the nature of the sample matrix: BH05 (890-1188-1) at 100.0. Elevated reporting limits (RLs) are provided.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (890-1187-A-1-G). Evidence of matrix interferences is not obvious.

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

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.

1

2

3

4

8

11

40

Client: WSP USA Inc. Job ID: 890-1188-1

Project/Site: AJ Adkins Battery #3

Client Sample ID: BH05

Da Dat

Sample Depth: 1

Client Sample ID: BH05	Lab Sample ID: 890-1188-1
ate Collected: 08/27/21 12:35	Matrix: Solid
ate Received: 08/27/21 16:20	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.200	U	0.200	mg/Kg		08/31/21 08:55	08/31/21 14:35	100
Toluene	0.245		0.200	mg/Kg		08/31/21 08:55	08/31/21 14:35	100
Ethylbenzene	0.754		0.200	mg/Kg		08/31/21 08:55	08/31/21 14:35	100
m-Xylene & p-Xylene	2.76		0.401	mg/Kg		08/31/21 08:55	08/31/21 14:35	100
o-Xylene	1.08		0.200	mg/Kg		08/31/21 08:55	08/31/21 14:35	100
Xylenes, Total	3.84		0.401	mg/Kg		08/31/21 08:55	08/31/21 14:35	100
Total BTEX	4.84		0.401	mg/Kg		08/31/21 08:55	08/31/21 14:35	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130			08/31/21 08:55	08/31/21 14:35	100
1,4-Difluorobenzene (Surr)	105		70 - 130			08/31/21 08:55	08/31/21 14:35	100

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	429		249	mg/Kg		08/31/21 08:27	08/31/21 14:32	5
Diesel Range Organics (Over C10-C28)	2360		249	mg/Kg		08/31/21 08:27	08/31/21 14:32	5
Oll Range Organics (Over C28-C36)	<249	U	249	mg/Kg		08/31/21 08:27	08/31/21 14:32	5
Total TPH	2790		249	mg/Kg		08/31/21 08:27	08/31/21 14:32	5
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			08/31/21 08:27	08/31/21 14:32	5
o-Terphenyl	100		70 - 130			08/31/21 08:27	08/31/21 14:32	5

Method: 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result Qualific	ier RL	Unit	D	Prepared	Analyzed	Dil Fac		
Chloride	56.5	5.01	mg/Kg			08/31/21 16:15	1		

Lab Sample ID: 890-1188-2 **Client Sample ID: BH05** Date Collected: 08/27/21 12:37 Matrix: Solid

Date Received: 08/27/21 16:20

Sample Depth: 2

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.200	U	0.200	mg/Kg		08/31/21 08:55	08/31/21 14:55	100
Toluene	<0.200	U	0.200	mg/Kg		08/31/21 08:55	08/31/21 14:55	100
Ethylbenzene	<0.200	U	0.200	mg/Kg		08/31/21 08:55	08/31/21 14:55	100
m-Xylene & p-Xylene	<0.399	U	0.399	mg/Kg		08/31/21 08:55	08/31/21 14:55	100
o-Xylene	<0.200	U	0.200	mg/Kg		08/31/21 08:55	08/31/21 14:55	100
Xylenes, Total	<0.399	U	0.399	mg/Kg		08/31/21 08:55	08/31/21 14:55	100
Total BTEX	<0.399	U	0.399	mg/Kg		08/31/21 08:55	08/31/21 14:55	100
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130			08/31/21 08:55	08/31/21 14:55	100
1,4-Difluorobenzene (Surr)	108		70 - 130			08/31/21 08:55	08/31/21 14:55	100

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1188-1

Project/Site: AJ Adkins Battery #3

Client Sample ID: BH05

Date Collected: 08/27/21 12:37 Date Received: 08/27/21 16:20

Sample Depth: 2

Lab	Sample	ID:	890	-11	88-2

Matrix: Solid

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		08/31/21 08:27	08/31/21 14:54	1
Diesel Range Organics (Over C10-C28)	76.8		50.0	mg/Kg		08/31/21 08:27	08/31/21 14:54	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/31/21 08:27	08/31/21 14:54	1
Total TPH	76.8		50.0	mg/Kg		08/31/21 08:27	08/31/21 14:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130			08/31/21 08:27	08/31/21 14:54	1
o-Terphenyl	120		70 - 130			08/31/21 08:27	08/31/21 14:54	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70.3		5.05	ma/Ka			08/31/21 16:20	

Page 6 of 21

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1188-1

Project/Site: AJ Adkins Battery #3

DFBZ = 1,4-Difluorobenzene (Surr)

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

-				Percent Surrogate Re
		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1187-A-1-E MS	Matrix Spike	182 S1+	93	
890-1187-A-1-F MSD	Matrix Spike Duplicate	157 S1+	103	
890-1188-1	BH05	122	105	
890-1188-2	BH05	127	108	
LCS 880-7288/1-A	Lab Control Sample	107	109	
LCSD 880-7288/2-A	Lab Control Sample Dup	109	108	
MB 880-7288/5-A	Method Blank	105	102	
Surrogate Legend				
BFB = 4-Bromofluorobe	nzene (Surr)			

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

Matrix: Solid Prep Type: Total/NA

		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-5593-A-21-E MS	Matrix Spike	84	80
880-5593-A-21-F MSD	Matrix Spike Duplicate	96	90
890-1188-1	BH05	104	100
890-1188-2	BH05	116	120
LCS 880-7269/2-A	Lab Control Sample	103	101
LCSD 880-7269/3-A	Lab Control Sample Dup	97	93
MB 880-7269/1-A	Method Blank	88	95

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: WSP USA Inc. Job ID: 890-1188-1

Project/Site: AJ Adkins Battery #3

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7288/5-A

Matrix: Solid

Analysis Batch: 7310

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

Prep Batch: 7288

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 12:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 12:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 12:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/31/21 08:55	08/31/21 12:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 12:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/31/21 08:55	08/31/21 12:45	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		08/31/21 08:55	08/31/21 12:45	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/31/21 08	55 08/31/21 12:45	1
1,4-Difluorobenzene (Surr)	102		70 - 130	08/31/21 08	55 08/31/21 12:45	1

Lab Sample ID: LCS 880-7288/1-A **Client Sample ID: Lab Control Sample**

LCS LCS

0.08465

0.08005

0.07981

0.1630

0.08289

Result Qualifier

Unit

mg/Kg

mg/Kg

mg/Kg

mg/Kg

mg/Kg

Spike

Added

0.100

0.100

0.100

0.200

0.100

Matrix: Solid

Analyte

Benzene

Toluene

o-Xylene

Ethylbenzene

m-Xylene & p-Xylene

Analysis Batch: 7310

70 - 130

70 - 130

%Rec

85

80

80

82

83

Prep Type: Total/NA

Prep Batch: 7288 %Rec.

Limits 70 - 130 70 - 130 70 - 130

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	107	70 _ 130
1.4-Difluorobenzene (Surr)	109	70 - 130

Lab Sample ID: LCSD 880-7288/2-A

Matrix: Solid

Analysis Batch: 7310

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 7288

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08632		mg/Kg		86	70 - 130	2	35	
Toluene	0.100	0.08065		mg/Kg		81	70 - 130	1	35	
Ethylbenzene	0.100	0.08073		mg/Kg		81	70 - 130	1	35	
m-Xylene & p-Xylene	0.200	0.1661		mg/Kg		83	70 - 130	2	35	
o-Xylene	0.100	0.08411		mg/Kg		84	70 - 130	1	35	

LCSD LCSD

Surrogate	%Recovery Q	ualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	108		70 - 130

Lab Sample ID: 890-1187-A-1-E MS

Matrix: Solid

Analysis Batch: 7310

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 7288

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U F1	0.100	0.05518	F1	mg/Kg		55	70 - 130	

Eurofins Xenco, Carlsbad

Page 8 of 21

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Type: Total/NA

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1188-1

Project/Site: AJ Adkins Battery #3

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

Lab Sample ID: 890-1187-A-1-E MS **Matrix: Solid**

Analysis Batch: 7310									Pre	p Batch: 7288
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Toluene	<0.00202	U F1	0.100	0.04081	F1	mg/Kg		40	70 - 130	
Ethylbenzene	0.0105	F1	0.100	0.04669	F1	mg/Kg		36	70 - 130	
m-Xylene & p-Xylene	0.0247	F1	0.200	0.1601	F1	mg/Kg		68	70 - 130	
o-Xylene	0.0159	F1	0.100	0.08001	F1	mg/Kg		64	70 - 130	

MS MS %Recovery Qualifier Limits Surrogate 70 - 130 182 S1+ 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 93 70 - 130

Lab Sample ID: 890-1187-A-1-F MSD

Matrix: Solid

Analysis Batch: 7310									Pre	p Batch	: 7288
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U F1	0.100	0.05962	F1	mg/Kg		59	70 - 130	8	35
Toluene	<0.00202	U F1	0.100	0.04353	F1	mg/Kg		43	70 - 130	6	35
Ethylbenzene	0.0105	F1	0.100	0.05419	F1	mg/Kg		44	70 - 130	15	35
m-Xylene & p-Xylene	0.0247	F1	0.201	0.1898		mg/Kg		82	70 - 130	17	35
o-Xylene	0.0159	F1	0.100	0.09155		mg/Kg		75	70 - 130	13	35

MSD MSD %Recovery Qualifier Surrogate Limits 157 S1+ 70 - 130 4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr) 103 70 - 130

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

M

Lab Sample ID: MB 880-7269/1-A	Client Sample ID: Method Blank
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 7281	Prep Batch: 7269
MR MR	

ı		IVID	MID						
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Gasoline Range Organics	<50.0	U	50.0	mg/Kg		08/31/21 08:27	08/31/21 10:14	1
	(GRO)-C6-C10								
	Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		08/31/21 08:27	08/31/21 10:14	1
	C10-C28)								
	OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		08/31/21 08:27	08/31/21 10:14	1
I	Total TPH	<50.0	U	50.0	mg/Kg		08/31/21 08:27	08/31/21 10:14	1
ı									

	MB	МВ					
Surrogate	%Recovery	Qualifier	Limits	Prepa	red	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	08/31/21	08:27	08/31/21 10:14	1
o-Terphenyl	95		70 - 130	08/31/21	08:27	08/31/21 10:14	1

Lab Sample ID: LCS 880-7269/2-A

Matrix: Solid

Analysis Batch: 7281							Prep Batch: 7269		
	Spike	LCS	LCS				%Rec.		
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics	1000	1031		mg/Kg		103	70 - 130		
(GRO)-C6-C10									

Eurofins Xenco, Carlsbad

Prep Type: Total/NA

Client Sample ID: Lab Control Sample

Client: WSP USA Inc. Job ID: 890-1188-1

Project/Site: AJ Adkins Battery #3

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

Lab Sample ID: LCS 880-7269/2-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 7281 Prep Batch: 7269 LCS LCS

Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits D 1000 947 9 95 70 - 130 Diesel Range Organics (Over mg/Kg

C10-C28)

LCS LCS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 103 70 130 o-Terphenyl 101 70 - 130

Lab Sample ID: LCSD 880-7269/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA Prep Batch: 7269

Analysis Batch: 7281

LCSD LCSD RPD Spike %Rec. Result Qualifier Limit Analyte Added Unit D %Rec Limits RPD 1000 933.1 Gasoline Range Organics mg/Kg 93 70 - 130 10 (GRO)-C6-C10 Diesel Range Organics (Over 1000 887.2 mg/Kg 89 70 - 130 7 20

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 97 70 - 130 o-Terphenyl 93 70 - 130

Lab Sample ID: 880-5593-A-21-E MS Client Sample ID: Matrix Spike **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 7281

MS MS Qualifier I imits Surrogate %Recovery

1-Chlorooctane 84 70 - 130 80 70 - 130 o-Terphenyl

Lab Sample ID: 880-5593-A-21-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 7281

MSD MSD %Recovery Surrogate Qualifier Limits 1-Chlorooctane 70 - 130 96 o-Terphenyl 90 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7257/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 7344

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Chloride <5.00 5.00 08/31/21 15:44 U mg/Kg

Eurofins Xenco, Carlsbad

Prep Batch: 7269

Prep Type: Total/NA

Prep Batch: 7269

Client: WSP USA Inc. Job ID: 890-1188-1

Project/Site: AJ Adkins Battery #3

Lab Sample ID: LCS 880-7257/2-A

30D 1D. 090-1100

Method: 300.0 - Anions, Ion Chromatography (Continued)

Client Sample ID: Lab Control Sample

Matrix: Solid
Analysis Batch: 7344

Prep Type: Soluble

Spike LCS LCS %Rec.

Analyte Added Result Qualifier Unit D %Rec Limits

Chloride 250 264.7 mg/Kg 106 90 - 110

Lab Sample ID: LCSD 880-7257/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 7344

Spike LCSD LCSD %Rec. RPD Added Limit Analyte Result Qualifier Unit D %Rec Limits RPD Chloride 250 264.2 mg/Kg 106 90 - 110 0

Lab Sample ID: 890-1187-A-1-C MS

Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Soluble

Analysis Batch: 7344

MS MS %Rec. Spike Sample Sample Analyte Result Qualifier Added Result Qualifier Unit Limits Chloride 98.8 249 366.4 107 90 - 110 mg/Kg

Lab Sample ID: 890-1187-A-1-D MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 7344

Sample Sample MSD MSD RPD Spike %Rec. Analyte Result Qualifier Added Qualifier Unit %Rec RPD Limit Result Limits Chloride 98.8 249 363.7 106 90 - 110 20 mg/Kg

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1188-1

Project/Site: AJ Adkins Battery #3

GC VOA

Prep Batch: 7288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1188-1	BH05	Total/NA	Solid	5035	
890-1188-2	BH05	Total/NA	Solid	5035	
MB 880-7288/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7288/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7288/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1187-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-1187-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 7310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1188-1	BH05	Total/NA	Solid	8021B	7288
890-1188-2	BH05	Total/NA	Solid	8021B	7288
MB 880-7288/5-A	Method Blank	Total/NA	Solid	8021B	7288
LCS 880-7288/1-A	Lab Control Sample	Total/NA	Solid	8021B	7288
LCSD 880-7288/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7288
890-1187-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	7288
890-1187-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	7288

GC Semi VOA

Prep Batch: 7269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1188-1	BH05	Total/NA	Solid	8015NM Prep	
890-1188-2	BH05	Total/NA	Solid	8015NM Prep	
MB 880-7269/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7269/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7269/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-5593-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-5593-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 7281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1188-1	BH05	Total/NA	Solid	8015B NM	7269
890-1188-2	BH05	Total/NA	Solid	8015B NM	7269
MB 880-7269/1-A	Method Blank	Total/NA	Solid	8015B NM	7269
LCS 880-7269/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7269
LCSD 880-7269/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7269
880-5593-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	7269
880-5593-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	7269

HPLC/IC

Leach Batch: 7257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1188-1	BH05	Soluble	Solid	DI Leach	
890-1188-2	BH05	Soluble	Solid	DI Leach	
MB 880-7257/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7257/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7257/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1187-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1187-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

8

10

10

13

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1188-1

Project/Site: AJ Adkins Battery #3

HPLC/IC

Analysis Batch: 7344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1188-1	BH05	Soluble	Solid	300.0	7257
890-1188-2	BH05	Soluble	Solid	300.0	7257
MB 880-7257/1-A	Method Blank	Soluble	Solid	300.0	7257
LCS 880-7257/2-A	Lab Control Sample	Soluble	Solid	300.0	7257
LCSD 880-7257/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7257
890-1187-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	7257
890-1187-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	7257

4

5

7

8

11

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-1188-1

Project/Site: AJ Adkins Battery #3

Client Sample ID: BH05 Lab Sample ID: 890-1188-1

Date Collected: 08/27/21 12:35 Matrix: Solid

Date Received: 08/27/21 16:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	7288	08/31/21 08:55	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	7310	08/31/21 14:35	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7269	08/31/21 08:27	DM	XEN MID
Total/NA	Analysis	8015B NM		5			7281	08/31/21 14:32	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	7257	08/31/21 13:50	CH	XEN MID
Soluble	Analysis	300.0		1			7344	08/31/21 16:15	SC	XEN MID

Client Sample ID: BH05 Lab Sample ID: 890-1188-2 **Matrix: Solid**

Date Collected: 08/27/21 12:37 Date Received: 08/27/21 16:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	7288	08/31/21 08:55	KL	XEN MID
Total/NA	Analysis	8021B		100	5 mL	5 mL	7310	08/31/21 14:55	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	7269	08/31/21 08:27	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7281	08/31/21 14:54	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	7257	08/31/21 13:50	СН	XEN MID
Soluble	Analysis	300.0		1			7344	08/31/21 16:20	SC	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: 890-1188-1

Project/Site: AJ Adkins Battery #3

Laboratory: Eurofins Xenco, Midland

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

Authority	P	rogram	Identification Number	Expiration Date
Texas	N	ELAP	T104704400-20-21	06-30-22
The following analytes the agency does not of	' '	ut the laboratory is not certif	ied by the governing authority. This list ma	ay include analytes for w
Analysis Method	Prep Method	Matrix	Analyte	
8015B NM	8015NM Prep	Solid	Total TPH	

2

5

-

ŏ

10

12

13

Method Summary

Client: WSP USA Inc. Job ID: 890-1188-1

Project/Site: AJ Adkins Battery #3

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: AJ Adkins Battery #3

Job ID: 890-1188-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1188-1	BH05	Solid	08/27/21 12:35	08/27/21 16:20	1
890-1188-2	BH05	Solid	08/27/21 12:37	08/27/21 16:20	2

2

Ę

6

8

a a

12

13

eurofins

Xenco

Environment Testing

Company Name:

WSP USA

Bill to: (if different)
Company Name:

1

2

3

<u>4</u> 5

7

9

12

1/

Chain of Custody Dallas, TX (281) 240-4200, Dallas, TX (214) 907

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300 Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

TX (210) 509-3334	Work Order No:
TX (806) 794-1296	
IM (575) 988-3199	
	www.xenco.com Page of of
	Work Order Comments
	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐
	State of Project:
	Reporting: Level II Level III PST/JST TRRP Level IV

Revised Date 08/25/2020 Rev 2020 2	72		6						d	O
			4			-			Ü	3
			829-71 162B	80		1	lue (x	0	Inn Byers	1
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time		ure)	Received by: (Signature)	Receive	nature)	Relinquished by: (Signature)	ReJin
	s standard terms and conditions circumstances beyond the control niforced unless previously negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofine 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 Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	npany to Eurofins Xence losses or expenses incu submitted to Eurofins Xe	client co ity for any ample t	rchase order from ne any responsibil arge of \$5 for eac	stitutes a valid pu nd shall not assun n project and a cha	t of samples con ost of samples ar e applied to each	int and relinquishmen e liable only for the co harge of \$85.00 will b	gnature of this docume . Eurofins Xenco will t s Xenco. A minimum c	Notice: Sig of service. of Eurofins
7470 / 7471	Ag TI U Hg: 1631/245.1/7470/7471	Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag	b As Ba Be Cd	CRA S	TCLP / SPLP 6010: 8RCRA	TCLP / SPI	yzed	stai(s) to be anal	Circle Method(s) and Metal(s) to be analyzed	Circle N
I Sn U V Zn	o Z	Ca Cr Co Cu Fe Pb Mg	As Ba Be B Cd	Al Sb	M Texas 11	8RCRA 13PPM	18	200.8 / 6020:	Total 200.7 / 6010	Total
			×	-	21	1237	8/21/21	S	SAHB	00
4581934.112ddb	NAPE		×××	-	1' Gody	1235	8/2-1/21	(s	8HX5	3
Sample Comments	Sa		TPH		Depth Grab/ # of Comp Cont	Time Sampled	Date Sampled	tion Matrix	Sample Identification	70
NaOH+Ascorbic Acid: SAPC	NaOH+A		X		1	Corrected Temperature:	Corrected 7		otal Containers:	Total Co
Zn Acetate+NaOH: Zn	Zn Aceta		(6		1.6	e Reading:	Temperature Reading:	Yes No WA	Sample Custody Seals:	Sample (
3. NaSO3			PI		2.0-	Factor:	Correction Factor:	Yes No NA	Cooler Custody Seals:	Cooler C
. NABIS		890-1188 Chain of Custodia	ન ^જ		1000	er ID:	Thermometer ID:	KYes No	Samples Received Intact:	Samples
퓸	Н ₃ РО ₄ : НР		39	nete	CYes No	Wet Ice:	Yes No	Temp Blank:	SAMPLE RECEIPT	SAMP
H ₂ NaOH: Na	H ₂ S0 ₄ : H ₂		21		the lab, if received by 4:30pm	the lab, if rece		1		PO#:
	HCL: HC		e)		TAT starts the day received by	TAT starts the		na Ruer	Sampler's Name: Phana	Sampler
	Cool: Cool)		24 TAT	Due Date:		Lia County	Project Location: L&	Project L
IO DI Water: H ₂ O	None: NO			Code	Rush	Routine	(Number:	Project Number
Preservative Codes	Pre	ANALYSIS REQUEST			Turn Around	Turn A	ten #3	AJ Adkins Battern		Project Name:
Other:	Deliverables: EDD	@ WSP. Com Deliver	byers @ ws	-9	anna	Email:	1. 188	3- 451-458	33	Phone:
TRRP L Level IV	☐ Level III ☐ PST/UST ☐	Report			City, State ZIP:		CALINE AL	Midland		City, State ZIP
					Address:		1300cc	5500 N		Address

Page 18 of 21

Chain of Custody Record

Eurofins Xenco, Carlsbad																			, .	ر د	💸 eurofins	ns					
Carlsbad, NM 88220 Phone. 575-988-3199 Fax 575-988-3199	_	ilalli (Chain of Custody Record	cay z	90	ă					_												A E	America	i di	iesu	970
Client Information (Sub Contract Lab)	Sampler			Lab PM Kramer	ner Je	Jessica							Carrier Tracking No(s)	r Trac	ring N	o(s)			~ ^	COC No 890-375	° 75 1						
Client Contact Shipping/Receiving	Phone			E-Mail Jessic	E-Mail essica kramer@eurofinset com	mer()eur	ofinse	S €	3			State of Origin New Mexico	of Orig	8 =					age age	Page Page 1 of 1						
Company Eurofins Xenco					Accreditations Required (See note). NELAP - Louisiana NELAP - Texas	itation:	s Req	_{Jired} ((See not	AP.	Теха								<u> </u>	390-1	Job# 890-1188-1						
Address 1211 W Florida Ave	Due Date Requested 8/31/2021	Ω							≥ l	Analysis Requested	sis	Rea	ues	ed						rese	rvatio	Preservation Codes	1				$_ \bot$
City Midland	TAT Requested (days):	ys):				(modition)		7		\Box									dandaras	O B A Za Ka	HCL NaOH Zn Acetate	v		Hexane None AsNaO2	5 6		
State Zip TX 79701					- Andrews	<u> la he ip til mentilah</u>		,											nanch cons		Nitric Acid	a	ο σ α	Na2O4S Na2SO3	ដល់ស		
Phone: 432-704-5440(Tel)	PO#) 1	TPH	de								***						MeOH Amchlor Ascorbic Acid	ćid	٦ o z	H2SO4 TSP Dodecahydrate	rdecat C3	wdrate terby	υ
Email	WO#:				r.03990.31 1	p Fuil	Chlorie									************			in the contract of		ice Di Water		< -	Acetor	ъ	i) di di	
Project Name AJAdkins Battery #3	Project #: 89000048				inker valentini	_S_Pre	EACH	EX											erchadoolike	L EDA	EDTA		N ≶	pH 4-5 other (specify)	specify	٥	
Site	SSOW#:				oper transmission and the	015NM	BD/DI_L	Calc B											contact Consultant	Other:							
			Sample Type	Matrix (w≃water	Filtered rm MS/N	OD_NM/8	RGFM_28	/6036FP_											Number								
Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab)	O=waste/oil, BT=Tissue, A=Air)	- NOVEMBER 1	8015	300_	8021											Tota		Spec	Special Instructions/Note:	stru	ction	s/No	te:	
	N		Preserval	Preservation Code:	$\stackrel{\times}{\times}$		Status				i i	journe.			L				X			W		1	11		
BH05 (890-1188-1)	8/27/21	Mountain		Solid		×	×	×											(2) (2)								
BH05 (890-1188-2)	8/27/21	12 37 Mountain		Solid		×	×	×											34								
							1																				
Note Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody if the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins 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.	places the ownership being analyzed the sa ne signed Chain of Cus	of method and imples must be stody attesting	alyte & accredit e shipped back to said complic	ation complian to the Eurofins ance to Eurofi	e upon Xenco s Xenc	out su	ibcont	ract la	borato	ories.	This s	ample vill be	shipn provid	lent is led. A	forwa ny ch	rded i	under to ac	chair credit	⊩of-cu ation	ıstody status	If the should	labora: be bro	tory do ought t	oes no to Eurc	t curre	intly enco L	FC
Possible Hazard Identification Unconfirmed					S	Sample Disposal (A fee may be assessed if samples Return To Client Disposal By Lab	le Disposal (A f Return To Client	posa n To	Clier	fee nt	may	be a	e assessed if san Disposal By Lab	sed /	f sa	nple	s ar		aine	tained long Archive For	are retained longer than Archive For	han 1	1 month)	nth)	ž		
Deliverable Requested I II III IV Other (specify)	Primary Deliverable Rank	able Rank 2	2		Sp	Special Instructions/QC	Inst	ructio	ons/C		Requirements	emer	18	1	ĺ												
linquished by		Date			Time		1			•		\ \		Methro	Method of Shipment:	shipm	ent:										
Relinquished by Que Cub 8.30.2	Date/Time:			Company		R R	Received by	I I I					\			Date/Time	Date/Time	1-2	-		1	13	င္ဆုိင္ခ	Company Company			
Relinquished by:	Date/Time			Company		Rec	Received by	by.								Date/	Date/Time [.]						<u>S</u>	Company			
Custody Seals Intact. Custody Seal No						C00	Cooler Temperature(s) °C and Other Remarks	mpera	ture(s	°C a	nd Ot	ier Re	marks	İ			- 1	- 1	l				F				l

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: WSP USA Inc. Job Number: 890-1188-1

SDG Number:

Login Number: 1188 List Source: Eurofins Xenco, Carlsbad

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	

<6mm (1/4").

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1188-1

SDG Number:

Login Number: 1188 List Source: Eurofins Xenco, Midland List Number: 2 List Creation: 08/31/21 01:20 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 ampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2 / 2.7
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.	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	

<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: 890-1189-1

Laboratory Sample Delivery Group: Lea County

Client Project/Site: AJ Adkins Battery #3

For:

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

Attn: Tacoma Morrissey

MRAMER

Authorized for release by: 9/2/2021 12:22:26 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 10/5/2021 9:11:32 AM

1

2

3

_

5

10

12

13

114

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

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

Client: WSP USA Inc.

Laboratory Job ID: 890-1189-1

Project/Site: AJ Adkins Battery #3

SDG: Lea County

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	7
QC Sample Results	8
QC Association Summary	12
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	20

2

3

4

6

8

10

40

13

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1189-1 Project/Site: AJ Adkins Battery #3

SDG: Lea County

Qualifiers

00	110	
GU	VU	А

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

GC Semi VOA

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

HPLC/IC

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

MDA

MDC

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"

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

NC Not Calculated

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

Minimum Detectable Activity (Radiochemistry)

Minimum Detectable Concentration (Radiochemistry)

NEG Negative / Absent POS Positive / Present Practical Quantitation Limit PQL

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RLReporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc. Job ID: 890-1189-1 Project/Site: AJ Adkins Battery #3 SDG: Lea County

Job ID: 890-1189-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1189-1

Receipt

The samples were received on 8/27/2021 4:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7288 and analytical batch 880-7310 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

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7363 and analytical batch 880-7359 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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

Matrix: Solid

Lab Sample ID: 890-1189-1

Client Sample Results

Client: WSP USA Inc.

Project/Site: AJ Adkins Battery #3

SDG: Lea County

Client Sample ID: BH02

Date Collected: 08/27/21 10:25 Date Received: 08/27/21 16:20

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0195		0.00200	mg/Kg		08/31/21 08:55	08/31/21 15:36	1
Toluene	0.0570		0.00200	mg/Kg		08/31/21 08:55	08/31/21 15:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 15:36	1
m-Xylene & p-Xylene	0.00920		0.00400	mg/Kg		08/31/21 08:55	08/31/21 15:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 15:36	1
Xylenes, Total	0.00920		0.00400	mg/Kg		08/31/21 08:55	08/31/21 15:36	1
Total BTEX	0.0857		0.00400	mg/Kg		08/31/21 08:55	08/31/21 15:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			08/31/21 08:55	08/31/21 15:36	1
1,4-Difluorobenzene (Surr)	114		70 - 130			08/31/21 08:55	08/31/21 15:36	1

Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/01/21 18:03	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/01/21 18:03	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/01/21 18:03	1
Total TPH	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/01/21 18:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130			09/01/21 08:19	09/01/21 18:03	1
o-Terphenyl	83		70 - 130			09/01/21 08:19	09/01/21 18:03	1

Method: 300.0 - Anions, Ion Chrom	atography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97	U	4.97	mg/Kg			08/31/21 16:26	1

Client Sample ID: BH02

Date Collected: 08/27/21 10:30 Date Received: 08/27/21 16:20

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00992		0.00199	mg/Kg		08/31/21 08:55	08/31/21 15:57	1
Toluene	0.0182		0.00199	mg/Kg		08/31/21 08:55	08/31/21 15:57	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		08/31/21 08:55	08/31/21 15:57	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		08/31/21 08:55	08/31/21 15:57	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		08/31/21 08:55	08/31/21 15:57	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		08/31/21 08:55	08/31/21 15:57	1
Total BTEX	0.0281		0.00398	mg/Kg		08/31/21 08:55	08/31/21 15:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			08/31/21 08:55	08/31/21 15:57	1
1,4-Difluorobenzene (Surr)	111		70 - 130			08/31/21 08:55	08/31/21 15:57	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1189-2

Matrix: Solid

2

3

4

7

Ŏ

10

12

Matrix: Solid

Lab Sample ID: 890-1189-2

Client Sample Results

Client: WSP USA Inc.

Project/Site: AJ Adkins Battery #3

Job ID: 890-1189-1

SDG: Lea County

Client Sample ID: BH02

Date Collected: 08/27/21 10:30 Date Received: 08/27/21 16:20

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/02/21 08:59	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/02/21 08:59	1
C10-C28)								
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/02/21 08:59	1
Total TPH	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/02/21 08:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	13	S1-	70 - 130			09/01/21 08:19	09/01/21 18:24	1
1-Chlorooctane	89		70 - 130			09/01/21 08:19	09/02/21 08:59	1
o-Terphenyl	13	S1-	70 - 130			09/01/21 08:19	09/01/21 18:24	1
o-Terphenyl	104		70 - 130			09/01/21 08:19	09/02/21 08:59	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.99		4.95	mg/Kg			08/31/21 16:31	1

Eurofins Xenco, Carlsbad

Released to Imaging: 10/5/2021 9:11:32 AM

2

3

5

7

9

11

12

.

Surrogate Summary

Client: WSP USA Inc.

Project/Site: AJ Adkins Battery #3

SDG: Lea County

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)	
890-1187-A-1-E MS	Matrix Spike	182 S1+	93	
890-1187-A-1-F MSD	Matrix Spike Duplicate	157 S1+	103	
890-1189-1	BH02	103	114	
890-1189-2	BH02	115	111	
LCS 880-7288/1-A	Lab Control Sample	107	109	
LCSD 880-7288/2-A	Lab Control Sample Dup	109	108	
MB 880-7288/5-A	Method Blank	105	102	

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

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
)-1189-1	BH02	81	83	
0-1189-2	BH02	13 S1-	13 S1-	
90-1189-2	BH02	89	104	
0-1190-A-1-F MS	Matrix Spike	89	69 S1-	
)-1190-A-1-G MSD	Matrix Spike Duplicate	91	72	
S 880-7363/2-A	Lab Control Sample	126	141 S1+	
SD 880-7363/3-A	Lab Control Sample Dup	87	96	
B 880-7363/1-A	Method Blank	67 S1-	67 S1-	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1189-1 Project/Site: AJ Adkins Battery #3 SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7288/5-A

Matrix: Solid

Analysis Batch: 7310

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7288

1

	MB MB						
Analyte	Result Qua	alifier RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200 U	0.00200	mg/Kg	_	08/31/21 08:55	08/31/21 12:45	
Toluene	<0.00200 U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 12:45	
Ethylbenzene	<0.00200 U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 12:45	
m-Xylene & p-Xylene	<0.00400 U	0.00400	mg/Kg		08/31/21 08:55	08/31/21 12:45	
o-Xylene	<0.00200 U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 12:45	
Xylenes, Total	<0.00400 U	0.00400	mg/Kg		08/31/21 08:55	08/31/21 12:45	
Total BTEX	<0.00400 U	0.00400	mg/Kg		08/31/21 08:55	08/31/21 12:45	

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	0	08/31/21 08:55	08/31/21 12:45	1
1,4-Difluorobenzene (Surr)	102		70 - 130	0	08/31/21 08:55	08/31/21 12:45	1

Lab Sample ID: LCS 880-7288/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

o-Xylene

Analysis Batch: 7310

70 - 130

Prep Type: Total/NA Prep Batch: 7288

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.08465 mg/Kg 85 70 - 130 Toluene 0.100 0.08005 mg/Kg 80 70 - 130 Ethylbenzene 0.100 0.07981 mg/Kg 80 70 - 130 m-Xylene & p-Xylene 0.200 0.1630 70 - 130 mg/Kg 82

0.08289

mg/Kg

0.100

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	107	70 - 130
1,4-Difluorobenzene (Surr)	109	70 - 130

Lab Sample ID: LCSD 880-7288/2-A

Matrix: Solid

Analysis Batch: 7310

Client Sample ID: Lab Control Sample Dup

83

Prep Type: Total/NA

Prep Batch: 7288

	Spike	LCSD	LCSD				%Rec.		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08632		mg/Kg		86	70 - 130	2	35	
Toluene	0.100	0.08065		mg/Kg		81	70 - 130	1	35	
Ethylbenzene	0.100	0.08073		mg/Kg		81	70 - 130	1	35	
m-Xylene & p-Xylene	0.200	0.1661		mg/Kg		83	70 - 130	2	35	
o-Xylene	0.100	0.08411		mg/Kg		84	70 - 130	1	35	

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	109	70 - 130
1.4-Difluorobenzene (Surr)	108	70 - 130

Lab Sample ID: 890-1187-A-1-E MS

Matrix: Solid

Analysis Batch: 7310

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 7288

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00202	U F1	0.100	0.05518	F1	mg/Kg		55	70 - 130	

Eurofins Xenco, Carlsbad

Page 8 of 21

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1189-1 Project/Site: AJ Adkins Battery #3 SDG: Lea County

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

Lab Sample ID: 890-1187-A-1-E MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 7310

Sample	Sample	Spike	MS	MS				%Rec.
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
<0.00202	U F1	0.100	0.04081	F1	mg/Kg		40	70 - 130
0.0105	F1	0.100	0.04669	F1	mg/Kg		36	70 - 130
0.0247	F1	0.200	0.1601	F1	mg/Kg		68	70 - 130
0.0159	F1	0.100	0.08001	F1	mg/Kg		64	70 - 130
	Result <0.00202 0.0105 0.0247	Sample Sample Result Qualifier <0.00202	Result Qualifier Added <0.00202	Result Qualifier Added Result <0.00202	Result Qualifier Added Result Qualifier <0.00202	Result Qualifier Added Result Qualifier Unit <0.00202	Result Qualifier Added Result Qualifier Unit D <0.00202	Result Qualifier Added Result Qualifier Unit D %Rec <0.00202

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	182	S1+	70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 890-1187-A-1-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 7310

and opine out
Prep Type: Total/NA

Prep Batch: 7288

Prep Batch: 7288

	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U F1	0.100	0.05962	F1	mg/Kg		59	70 - 130	8	35
Toluene	<0.00202	U F1	0.100	0.04353	F1	mg/Kg		43	70 - 130	6	35
Ethylbenzene	0.0105	F1	0.100	0.05419	F1	mg/Kg		44	70 - 130	15	35
m-Xylene & p-Xylene	0.0247	F1	0.201	0.1898		mg/Kg		82	70 - 130	17	35
o-Xylene	0.0159	F1	0.100	0.09155		mg/Kg		75	70 - 130	13	35

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-7363/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 7359

мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/01/21 11:41	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/01/21 11:41	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/01/21 11:41	1
Total TPH	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/01/21 11:41	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130	09/01/21 08:19	09/01/21 11:41	1
o-Terphenyl	67	S1-	70 - 130	09/01/21 08:19	09/01/21 11:41	1

Lab Sample ID: LCS 880-7363/2-A

Matrix: Solid

Analysis Batch: 7359

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

Prep Batch: 7363

Prep Batch: 7363

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	853.0		mg/Kg		85	70 - 130	 -

(GRO)-C6-C10

o-Terphenyl

QC Sample Results

Client: WSP USA Inc.

Job ID: 890-1189-1

Project/Site: AJ Adkins Battery #3

SDG: Lea County

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

141 S1+

Lab Sample ID: LCS 880-7363/2-A

Matrix: Solid

Analysis Batch: 7359

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 7363

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Diesel Range Organics (Over	1000	1213		mg/Kg		121	70 - 130	
C10-C28)								

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorocctane
 126
 70 - 130

Lab Sample ID: LCSD 880-7363/3-A Client Sample ID: Lab Control Sample Dup

70 - 130

Matrix: Solid

Analysis Batch: 7359

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 7363

LCSD LCSD RPD Spike %Rec. Limit Analyte Added Result Qualifier Unit D %Rec Limits RPD 1000 864.0 86 Gasoline Range Organics mg/Kg 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 1068 mg/Kg 107 70 - 130 13 20 C10-C28)

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 87
 70 - 130

 o-Terphenyl
 96
 70 - 130

Lab Sample ID: 890-1190-A-1-F MS

Client Sample ID: Matrix Spike

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 7359 Prep Batch: 7363

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits Gasoline Range Organics 3660 F1 995 5638 F1 mg/Kg 199 70 - 130(GRO)-C6-C10 995 1239 79 70 - 130 Diesel Range Organics (Over 448 mg/Kg C10-C28)

 Surrogate
 %Recovery
 Qualifier
 Limits

 1-Chlorooctane
 89
 70 - 130

 o-Terphenyl
 69
 S1 70 - 130

Lab Sample ID: 890-1190-A-1-G MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 7359 Prep Batch: 7363 Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit D %Rec Limits Gasoline Range Organics 3660 F1 998 5715 F1 206 70 - 130 20 mg/Kg (GRO)-C6-C10

1276

mg/Kg

998

 C10-C28)

 MSD MSD

 Surrogate
 %Recovery 91
 Qualifier Qualifier
 Limits

 1-Chlorooctane
 91
 70 - 130

 o-Terphenyl
 72
 70 - 130

448

Eurofins Xenco, Carlsbad

83

70 - 130

20

3

3

5

7

9

10

12

11

Diesel Range Organics (Over

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1189-1 Project/Site: AJ Adkins Battery #3

SDG: Lea County

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Method Blank

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7257/1-A

Matrix: Solid Analysis Batch: 7344

мв мв

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 08/31/21 15:44

Lab Sample ID: LCS 880-7257/2-A

Matrix: Solid

Analysis Batch: 7344

Spike LCS LCS %Rec. Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 264.7 mg/Kg 106 90 - 110

Lab Sample ID: LCSD 880-7257/3-A

Matrix: Solid

Analysis Batch: 7344

LCSD LCSD %Rec. RPD Spike Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 264.2 mg/Kg 106 90 - 110

Lab Sample ID: 890-1187-A-1-C MS

Matrix: Solid

Analysis Batch: 7344

MS MS Sample Sample Spike %Rec. Analyte Result Qualifier Added Qualifier %Rec Result Unit Limits Chloride 98.8 249 366.4 107 90 - 110 mg/Kg

Lab Sample ID: 890-1187-A-1-D MSD

Matrix: Solid

Analysis Batch: 7344

Sample Sample Spike MSD MSD %Rec. RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit 249 Chloride 98.8 363.7 mg/Kg 106 90 - 110 20

QC Association Summary

Client: WSP USA Inc.

Job ID: 890-1189-1

Project/Site: AJ Adkins Battery #3

SDG: Lea County

GC VOA

Prep Batch: 7288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1189-1	BH02	Total/NA	Solid	5035	
890-1189-2	BH02	Total/NA	Solid	5035	
MB 880-7288/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7288/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7288/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1187-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-1187-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 7310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1189-1	BH02	Total/NA	Solid	8021B	7288
890-1189-2	BH02	Total/NA	Solid	8021B	7288
MB 880-7288/5-A	Method Blank	Total/NA	Solid	8021B	7288
LCS 880-7288/1-A	Lab Control Sample	Total/NA	Solid	8021B	7288
LCSD 880-7288/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7288
890-1187-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	7288
890-1187-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	7288

GC Semi VOA

Analysis Batch: 7359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1189-1	BH02	Total/NA	Solid	8015B NM	7363
890-1189-2	BH02	Total/NA	Solid	8015B NM	7363
890-1189-2	BH02	Total/NA	Solid	8015B NM	7363
MB 880-7363/1-A	Method Blank	Total/NA	Solid	8015B NM	7363
LCS 880-7363/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7363
LCSD 880-7363/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7363
890-1190-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	7363
890-1190-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	7363

Prep Batch: 7363

Lab Sample ID 890-1189-1	Client Sample ID BH02	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
890-1189-2	BH02	Total/NA	Solid	8015NM Prep	
MB 880-7363/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7363/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7363/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1190-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1190-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 7257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1189-1	BH02	Soluble	Solid	DI Leach	
890-1189-2	BH02	Soluble	Solid	DI Leach	
MB 880-7257/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7257/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7257/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1187-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1187-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

/ 2

3

4

6

8

4.0

13

QC Association Summary

Client: WSP USA Inc.

Project/Site: AJ Adkins Battery #3

Job ID: 890-1189-1

SDG: Lea County

HPLC/IC

Analysis Batch: 7344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1189-1	BH02	Soluble	Solid	300.0	7257
890-1189-2	BH02	Soluble	Solid	300.0	7257
MB 880-7257/1-A	Method Blank	Soluble	Solid	300.0	7257
LCS 880-7257/2-A	Lab Control Sample	Soluble	Solid	300.0	7257
LCSD 880-7257/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7257
890-1187-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	7257
890-1187-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	7257

1

O

7

0

10

12

13

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-1189-1 Project/Site: AJ Adkins Battery #3 SDG: Lea County

Client Sample ID: BH02

Date Received: 08/27/21 16:20

Lab Sample ID: 890-1189-1 Date Collected: 08/27/21 10:25

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 5.00 g 5 mL 7288 08/31/21 08:55 KL XEN MID Total/NA Analysis 8021B 1 5 mL 5 mL 7310 08/31/21 15:36 KL XEN MID Total/NA Prep 8015NM Prep 10.01 g 10 mL 7363 09/01/21 08:19 DM XEN MID Total/NA Analysis 8015B NM 7359 09/01/21 18:03 ΑJ XEN MID Soluble Leach DI Leach 5.03 g 50 mL 7257 08/31/21 13:50 СН XEN MID Soluble Analysis 300.0 1 7344 08/31/21 16:26 SC XEN MID

Client Sample ID: BH02

Date Collected: 08/27/21 10:30 Date Received: 08/27/21 16:20

Lab Sample ID: 890-1189-2

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	7288	08/31/21 08:55	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7310	08/31/21 15:57	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7363	09/01/21 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/01/21 18:24	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	7363	09/01/21 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/02/21 08:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7257	08/31/21 13:50	CH	XEN MID
Soluble	Analysis	300.0		1			7344	08/31/21 16:31	SC	XEN MID

Laboratory References:

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

Released to Imaging: 10/5/2021 9:11:32 AM

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-1189-1 Project/Site: AJ Adkins Battery #3

SDG: Lea County

Laboratory: Eurofins Xenco, Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-22

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

Analysis Method	Prep Method	Matrix	Analyte
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

Method Summary

Client: WSP USA Inc.

Project/Site: AJ Adkins Battery #3

Job ID: 890-1189-1

SDG: Lea County

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

4

5

7

10

12

Sample Summary

Client: WSP USA Inc.

Project/Site: AJ Adkins Battery #3

Job ID: 890-1189-1

SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Dept
890-1189-1	BH02	Solid	08/27/21 10:25	08/27/21 16:20	0.5
890-1189-2	BH02	Solid	08/27/21 10:30	08/27/21 16:20	1

Circle Method(s) and Metal(s) to be analyzed

Total 200.7 / 6010 200.8 / 6020:

8RCRA 13PPM Texas 11

TCLP / SPLP 6010: 8RCRA

Eurofins Xenco. A minimum charge of \$86.00 will be applied to each project and a charge of \$5 for each san service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility to tice: Signature of this document and relinquishment of samples constitutes a valid purchase order from clier

Received by: (Signature)

27/2 4:28 Date/Time

Relinquished by: (Signature)

Received by: (Signature)

Date/Time

Revised Date 08/25/2020 Rev. 2020.2

Relinquished by: (Signature)

corre

eurofins

Environment Testing

Xenco

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296 Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

Work Order No:

13	r an to	.	န						L_	Ш				큐 즉								ā	5 .9		C					
pro seeminas es anomo (ante)	t company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions rany losses or expenses incurred by the client if such losses are due to circumstances beyond the control ple submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotians.	Sb As Ba Be	AS									×	X	BIL	X	(E	P	P	39	21	B)			7260					
100	to Euro	s Ba	ВаЕ				-	4				×	×	TPH	(6	FF	4	8ø	115	m	ool)			Sin					
	fins Xe		ВеВ				5	1				×	×	Chi	orio	de	(e Ci	4:	39	7.9)			0					
	nco, its ncurred	d Cr	20				/	P)	>															COM					
	affiliate by the	ပ္ပ	Ca Cr																						3					
	es and s	Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U	Cr Co													0								ANA						
	subcont f such i	b Mn	Cu Fe				1								_		1189				_			LYSIS						
	ractors osses a	M _o	e Pb														Chain				_			REC	<u> </u>		L,]
	It assi re due t	N. Se	Mg I														890-1189 Chain of Custody				-			ANALYSIS REQUEST	Deliv	Repo	State	Prog		
	gns sta to circu	Ag	Mn M			1											stody								erable	rting:	of Pr	ram: l		
	ndard i	= =	Mg Mn Mo Ni K Se Ag SiO, Na Sr										-			-							_		Deliverables: EDD	Reporting: Level II Level III PST/UST TRRP	State of Project:	Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐		
	erms a		K Se			-										-		=			= .	\dashv	-			۱ <u> </u>		ST	<	WW
	nd con	H _G	Ag					-								-	1					+				evel II		PRP[Work Order Comments	www.xenco.com
	ditions control negotia	1631	SiO,	-	/			-		-	-		-			_	_					7			ADa			Bro	Orde	00.CO
	ted.	1/24	Na			-	-		-	\vdash	-	-	7		Na	Zn	Na	Na (I I	H ₂ S	HC.	္တ	N _O		ADaPT L	ST/US		wnflel	Com	1
		5.1/7	1 1	1						H			APP	Sar	OH+A	Aceta	Na ₂ S ₂ O ₃ : NaSO ₃	NaHSO ₄ : NABIS	H ₃ PO ₄ : HP	H ₂ SO ₄ : H ₂	HCL: HC	Cool: Cool	None: NO	Pre		. Si □		ds	ımen	Page
		470	TI Sn	1/									211	nple	scorbi	te+Na	NaSC	NABI	70	N		<u>o</u>	0	serva	Other:	TRRF		RRC	S	L
		Hg: 1631 / 245.1 / 7470 / 7471	<	1/									NAPP2117561837	Sample Comments	NaOH+Ascorbic Acid: SAPC	Zn Acetate+NaOH: Zr	3	S		Nac	Ä	Me.	밀	Preservative Codes				⊟ □		9
			Zn										183	nent	SAP	3				NaOH: Na	HNO3: HN	MeOH: Me	DI Water: H ₂ O	Code		Level IV		Superfund [L
													لع	U)	10					מם	_	Ō	H_2O	CO		2]			
1 (5		<u> </u>		/	_	_	4.	_				-	<u>t </u>		•					Ī										<u>.</u>
			11																											
ag	ging: 1	0/5	/20	21	9:1	1:3	2 /	1 <i>M</i>						Pag	e 18	3 o	f 2′	1												

Sampler's Name:

Amig

Byer

Temp Blank:

Yes) No Wet Ice:

No

Thermometer ID:

Como

Yes No

Project Location: Project Number: Project Name:

ea lount

Due Date: Madutine

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

AT Adkins Battery#

4968-457-488

Email:

anna

Turn Around

Rush

City, State ZIP:

Midland 3388 N A

Satist X Street

Address

Company Name: Bill to: (if different)

City, State ZIP:

ddress:

Company Name: Project Manager:

Tacoma

Morrissey

MSD USA

Total Containers:

Sample Identification

Matrix

Sampled

Sampled

Date

Time

Depth

C #

BHQ2 B+162

> J J.

16/46/3

16.90

10/46/3

1825

E.5'

Gras Comp Grab/ Cooler Custody Seals: Samples Received Intact: SAMPLE RECEIPT

Sample Custody Seals:

Yes Yes

o o S

N/A

0

Corrected Temperature: Temperature Reading: NIA

Correction Factor:

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

Eurofins Xenco, Carlsbad 1089 N Canal St

13

Chain of Custody Record

Environment Testing

State, Zip[.] TX 79701 BH02 (890-1189-1) Sample Identification - Client ID (Lab ID) BH02 (890-1189-2) 432-704-5440(Tel) Vote Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins 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. Midland 211 W Florida Ave Deliverable Requested 1 II III IV Other (specify) ossible Hazard Identification JAdkins Battery #3 roject Name: lient Information elinquished by elinquished by: mpty Kit Relinquished by irofins Xenco hipping/Receiving Custody Seals Intact.

A Yes A No linquished by: E (Sub Contract Lab) Custody Seal No Date/Time Primary Deliverable Rank: WO# Due Date Requested 8/30/2021 Phone Date/Time 89000048 TAT Requested (days): Sample Date 8/27/21 8/27/21 Mountain 10 30 Date Mountain Sample 10 25 G=grab) (C=comp, Sample Preservation Code: Type Company Company Company Matrix Solid Solid Kramer Jessica essica kramer@eurofinset com Field Filtered Sample (Yes or No) NELAP - Louisiana NELAP - Texas me Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mon Perform MS/MSD (Yes or No) Special Instructions/QC Requirements Cooler Temperature(s) Cand Other Tements × × 8015MOD_NM/8015NM_S_Prep Full TPH Received by × × 300_ORGFM_28D/DI_LEACH Chloride 8021B/5035FP_Calc BTEX × \times Analysis Requested State of Origin: New Mexico Carrier Tracking No(s) Method of Shipmen Total Number of containers F MeOH
G Amchlor
H Ascorbic Acid COC No 890-375,1 Page 1 of ' 890-1189-1 Preservation Codes Ice DI Water C EDTA EDA NaOH

Zn Acetate

Nitric Acid

NaHSO4 된 Special Instructions/Note M Hexane
N-None
O AsNaO2
P Na2O4S
Q Na2S203
R Na2S2O3
S H2SO4
T TSP Dodecahydrate
U Acetone
V MCAA Company Ver 06/08/2021 Jompany v pH 4-5 other (specify) Months

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1189-1 SDG Number: Lea County

Login Number: 1189 List Source: Eurofins Xenco, Carlsbad

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	

Login Sample Receipt Checklist

Job Number: 890-1189-1

SDG Number: Lea County

List Source: Eurofins Xenco, Midland

List Creation: 08/31/21 01:20 PM

List Number: 2 Creator: Copeland, Tatiana

Client: WSP USA Inc.

Login Number: 1189

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	2.2 / 2.7
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	

<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: 890-1191-1

Laboratory Sample Delivery Group: Lea County Client Project/Site: AJ ADKINS Battery #3

For:

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

Attn: Tacoma Morrissey

JURAMER

Authorized for release by: 9/3/2021 3:02:49 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env
Released to Imaging: 10/5/2021 9:11:32 AM

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

intended to be the legally binding equivalent of a traditionally handwritten signature.

This report has been electronically signed and authorized by the signatory. Electronic signature is

1

2

3

6

7

9

10

12

13

Client: WSP USA Inc.

Laboratory Job ID: 890-1191-1

Project/Site: AJ ADKINS Battery #3

SDG: Lea County

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	17
Lab Chronicle	20
Certification Summary	22
Method Summary	23
Sample Summary	24
Chain of Custody	25
Receipt Checklists	27

2

3

4

6

8

10

1 2

13

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1191-1 Project/Site: AJ ADKINS Battery #3

SDG: Lea County

Qualifiers

GC VOA Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier **Qualifier Description** F1 MS and/or MSD recovery exceeds control limits. S1-Surrogate recovery exceeds control limits, low biased. 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

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

Practical Quantitation Limit POI

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

Too Numerous To Count **TNTC**

Case Narrative

Client: WSP USA Inc.

Project/Site: AJ ADKINS Battery #3

Job ID: 890-1191-1

SDG: Lea County

Job ID: 890-1191-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1191-1

Receipt

The samples were received on 8/27/2021 4:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.4°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7288 and analytical batch 880-7310 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH01 (890-1191-1). Evidence of matrix interferences is not obvious.

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

GC Semi VOA

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-7363 and analytical batch 880-7359 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

HPLC/IC

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

Client: WSP USA Inc.

Job ID: 890-1191-1 Project/Site: AJ ADKINS Battery #3 SDG: Lea County

Client Sample ID: BH01

Date Collected: 08/27/21 10:00 Date Received: 08/27/21 16:20

Sample Depth: 0.5

Lab Sample ID: 890-1191-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	0.0236		0.00199	mg/Kg		08/31/21 08:55	08/31/21 18:41	1	
Toluene	1.00		0.101	mg/Kg		09/01/21 09:00	09/01/21 16:23	50	
Ethylbenzene	0.104		0.00199	mg/Kg		08/31/21 08:55	08/31/21 18:41	1	
m-Xylene & p-Xylene	5.12		0.202	mg/Kg		09/01/21 09:00	09/01/21 16:23	50	
o-Xylene	0.188		0.00199	mg/Kg		08/31/21 08:55	08/31/21 18:41	1	
Xylenes, Total	7.06		0.202	mg/Kg		09/01/21 09:00	09/01/21 16:23	50	
Total BTEX	8.65		0.202	mg/Kg		09/01/21 09:00	09/01/21 16:23	50	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	213	S1+	70 - 130			08/31/21 08:55	08/31/21 18:41	1	
1,4-Difluorobenzene (Surr)	125		70 - 130			08/31/21 08:55	08/31/21 18:41	1	

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		09/01/21 08:19	09/01/21 14:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		09/01/21 08:19	09/01/21 14:51	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		09/01/21 08:19	09/01/21 14:51	1
Total TPH	<49.8	U	49.8	mg/Kg		09/01/21 08:19	09/01/21 14:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	69	S1-	70 - 130	09/01/21 08:19	09/01/21 14:51	1
o-Terphenyl	69	S1-	70 - 130	09/01/21 08:19	09/01/21 14:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.5		5.00	mg/K	ig –		08/31/21 18:11	1

Lab Sample ID: 890-1191-2 **Client Sample ID: BH01** Date Collected: 08/27/21 10:05 Matrix: Solid

Sample Depth: 1

Date Received: 08/27/21 16:20

Analyte	Result Q	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0150		0.00200	mg/Kg		08/31/21 08:55	08/31/21 19:01	1
Toluene	0.205		0.00200	mg/Kg		08/31/21 08:55	08/31/21 19:01	1
Ethylbenzene	0.0704		0.00200	mg/Kg		08/31/21 08:55	08/31/21 19:01	1
m-Xylene & p-Xylene	0.529		0.00401	mg/Kg		08/31/21 08:55	08/31/21 19:01	1
o-Xylene	0.102		0.00200	mg/Kg		08/31/21 08:55	08/31/21 19:01	1
Xylenes, Total	0.631		0.00401	mg/Kg		08/31/21 08:55	08/31/21 19:01	1
Total BTEX	0.921		0.00401	mg/Kg		08/31/21 08:55	08/31/21 19:01	1
Surrogate	%Recovery Q	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130			08/31/21 08:55	08/31/21 19:01	1
1,4-Difluorobenzene (Surr)	121		70 - 130			08/31/21 08:55	08/31/21 19:01	1

Matrix: Solid

Lab Sample ID: 890-1191-2

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1191-1

Project/Site: AJ ADKINS Battery #3 SDG: Lea County

Client Sample ID: BH01

Date Collected: 08/27/21 10:05 Date Received: 08/27/21 16:20

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		09/01/21 08:19	09/01/21 15:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		09/01/21 08:19	09/01/21 15:12	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/01/21 08:19	09/01/21 15:12	1
Total TPH	<49.9	U	49.9	mg/Kg		09/01/21 08:19	09/01/21 15:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130			09/01/21 08:19	09/01/21 15:12	1
o-Terphenyl	73		70 - 130			09/01/21 08:19	09/01/21 15:12	1

Unit Analyte Result Qualifier RL Prepared Analyzed Dil Fac Chloride 7.62 4.95 mg/Kg 08/31/21 18:17

Client Sample ID: BH03 Lab Sample ID: 890-1191-3 **Matrix: Solid**

Date Collected: 08/27/21 10:45 Date Received: 08/27/21 16:20

Sample Depth: 0.5

Analyte	Result Q	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0143		0.00200	mg/Kg		08/31/21 08:55	08/31/21 19:22	1
Toluene	0.0692		0.00200	mg/Kg		08/31/21 08:55	08/31/21 19:22	1
Ethylbenzene	0.00466		0.00200	mg/Kg		08/31/21 08:55	08/31/21 19:22	1
m-Xylene & p-Xylene	0.0358		0.00401	mg/Kg		08/31/21 08:55	08/31/21 19:22	1
o-Xylene	0.00667		0.00200	mg/Kg		08/31/21 08:55	08/31/21 19:22	1
Xylenes, Total	0.0425		0.00401	mg/Kg		08/31/21 08:55	08/31/21 19:22	1
Total BTEX	0.131		0.00401	mg/Kg		08/31/21 08:55	08/31/21 19:22	1
Surrogate	%Recovery Q	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			08/31/21 08:55	08/31/21 19:22	1
1,4-Difluorobenzene (Surr)	112		70 - 130			08/31/21 08:55	08/31/21 19:22	1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		09/01/21 08:19	09/01/21 15:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		09/01/21 08:19	09/01/21 15:34	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		09/01/21 08:19	09/01/21 15:34	1
Total TPH	<49.8	U	49.8	mg/Kg		09/01/21 08:19	09/01/21 15:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	73		70 - 130			09/01/21 08:19	09/01/21 15:34	1
o-Terphenyl	70		70 - 130			09/01/21 08:19	09/01/21 15:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL Unit D Analyzed Dil Fac Prepared Chloride <5.01 U 5.01 08/31/21 18:22 mg/Kg

Eurofins Xenco, Carlsbad

Page 6 of 28

Matrix: Solid

Lab Sample ID: 890-1191-4

Client: WSP USA Inc.

Job ID: 890-1191-1 Project/Site: AJ ADKINS Battery #3 SDG: Lea County

Client Sample ID: BH03

Date Collected: 08/27/21 10:50 Date Received: 08/27/21 16:20

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0106		0.00200	mg/Kg		08/31/21 08:55	08/31/21 19:42	1
Toluene	0.0467		0.00200	mg/Kg		08/31/21 08:55	08/31/21 19:42	1
Ethylbenzene	0.00255		0.00200	mg/Kg		08/31/21 08:55	08/31/21 19:42	1
m-Xylene & p-Xylene	0.0200		0.00399	mg/Kg		08/31/21 08:55	08/31/21 19:42	1
o-Xylene	0.00346		0.00200	mg/Kg		08/31/21 08:55	08/31/21 19:42	1
Xylenes, Total	0.0235		0.00399	mg/Kg		08/31/21 08:55	08/31/21 19:42	1
Total BTEX	0.0833		0.00399	mg/Kg		08/31/21 08:55	08/31/21 19:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			08/31/21 08:55	08/31/21 19:42	1
1,4-Difluorobenzene (Surr)	111		70 - 130			08/31/21 08:55	08/31/21 19:42	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		09/01/21 08:19	09/01/21 15:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		09/01/21 08:19	09/01/21 15:55	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/01/21 08:19	09/01/21 15:55	1
Total TPH	<49.9	U	49.9	mg/Kg		09/01/21 08:19	09/01/21 15:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	75		70 - 130			09/01/21 08:19	09/01/21 15:55	1
o-Terphenyl	77		70 - 130			09/01/21 08:19	09/01/21 15:55	1

Method: 300.0 - Anions, Ion Cl	hromatography - Solub	le					
Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.6	4.95	mg/Kg			08/31/21 22:38	1

Client Sample ID: BH04 Date Collected: 08/27/21 11:15 Date Received: 08/27/21 16:20

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00403		0.00200	mg/Kg		08/31/21 08:55	08/31/21 20:03	1
Toluene	0.0157		0.00200	mg/Kg		08/31/21 08:55	08/31/21 20:03	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 20:03	1
m-Xylene & p-Xylene	0.0105		0.00400	mg/Kg		08/31/21 08:55	08/31/21 20:03	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 20:03	1
Xylenes, Total	0.0105		0.00400	mg/Kg		08/31/21 08:55	08/31/21 20:03	1
Total BTEX	0.0302		0.00400	mg/Kg		08/31/21 08:55	08/31/21 20:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			08/31/21 08:55	08/31/21 20:03	1
1,4-Difluorobenzene (Surr)	107		70 - 130			08/31/21 08:55	08/31/21 20:03	1

Eurofins Xenco, Carlsbad

Lab Sample ID: 890-1191-5

Matrix: Solid

Released to Imaging: 10/5/2021 9:11:32 AM

Project/Site: AJ ADKINS Battery #3

Client: WSP USA Inc.

Job ID: 890-1191-1

SDG: Lea County

Client Sample ID: BH04

Date Collected: 08/27/21 11:15 Date Received: 08/27/21 16:20

Sample Depth: 0.5

Lab Sample ID: 890-1191-5

Matrix: Solid

Analyzed

08/31/21 08:55 08/31/21 20:23

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		09/01/21 08:19	09/01/21 16:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		09/01/21 08:19	09/01/21 16:17	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		09/01/21 08:19	09/01/21 16:17	1
Total TPH	<49.9	U	49.9	mg/Kg		09/01/21 08:19	09/01/21 16:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130			09/01/21 08:19	09/01/21 16:17	1
o-Terphenyl	78		70 - 130			09/01/21 08:19	09/01/21 16:17	1

Chloride 17.4 5.05 mg/Kg 08/31/21 22:55 Client Sample ID: BH04 Lab Sample ID: 890-1191-6

RL

Unit

Prepared

Result Qualifier

112

Date Collected: 08/27/21 11:20 Date Received: 08/27/21 16:20

Sample Depth: 1

1,4-Difluorobenzene (Surr)

Analyte

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0117	0.00199	mg/Kg		08/31/21 08:55	08/31/21 20:23	1
Toluene	0.0580	0.00199	mg/Kg		08/31/21 08:55	08/31/21 20:23	1
Ethylbenzene	0.00279	0.00199	mg/Kg		08/31/21 08:55	08/31/21 20:23	1
m-Xylene & p-Xylene	0.0268	0.00398	mg/Kg		08/31/21 08:55	08/31/21 20:23	1
o-Xylene	0.00456	0.00199	mg/Kg		08/31/21 08:55	08/31/21 20:23	1
Xylenes, Total	0.0314	0.00398	mg/Kg		08/31/21 08:55	08/31/21 20:23	1
Total BTEX	0.104	0.00398	mg/Kg		08/31/21 08:55	08/31/21 20:23	1
Surrogate	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104	70 - 130			08/31/21 08:55	08/31/21 20:23	1

70 - 130

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		09/01/21 08:19	09/01/21 16:38	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		09/01/21 08:19	09/01/21 16:38	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		09/01/21 08:19	09/01/21 16:38	1
Total TPH	<49.8	U	49.8	mg/Kg		09/01/21 08:19	09/01/21 16:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130			09/01/21 08:19	09/01/21 16:38	1
o-Terphenyl	79		70 - 130			09/01/21 08:19	09/01/21 16:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Analyte RL Unit D Dil Fac Prepared Analyzed 4.97 08/31/21 23:01 **Chloride** 25.3 mg/Kg

Eurofins Xenco, Carlsbad

Dil Fac

Matrix: Solid

9/3/2021

Surrogate Summary

Job ID: 890-1191-1 Client: WSP USA Inc. Project/Site: AJ ADKINS Battery #3 SDG: Lea County

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)	
880-5629-A-1-D MS	Matrix Spike	96	96	
880-5629-A-1-E MSD	Matrix Spike Duplicate	114	68 S1-	
890-1187-A-1-E MS	Matrix Spike	182 S1+	93	
890-1187-A-1-F MSD	Matrix Spike Duplicate	157 S1+	103	
890-1191-1	BH01	213 S1+	125	
890-1191-2	BH01	126	121	
890-1191-3	BH03	111	112	
890-1191-4	BH03	110	111	
890-1191-5	BH04	104	107	
890-1191-6	BH04	104	112	
LCS 880-7262/1-A	Lab Control Sample	104	77	
LCS 880-7288/1-A	Lab Control Sample	107	109	
LCSD 880-7262/2-A	Lab Control Sample Dup	109	86	
LCSD 880-7288/2-A	Lab Control Sample Dup	109	108	
MB 880-7262/5-A	Method Blank	105	100	
MB 880-7288/5-A	Method Blank	105	102	

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

			Perce	nt Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)	
890-1190-A-1-F MS	Matrix Spike		69 S1-	
890-1190-A-1-G MSD	Matrix Spike Duplicate	91	72	
890-1191-1	BH01	69 S1-	69 S1-	
890-1191-2	BH01	70	73	
890-1191-3	BH03	73	70	
890-1191-4	BH03	75	77	
890-1191-5	BH04	76	78	
890-1191-6	BH04	76	79	
LCS 880-7363/2-A	Lab Control Sample	126	141 S1+	
LCSD 880-7363/3-A	Lab Control Sample Dup	87	96	
MB 880-7363/1-A	Method Blank	67 S1-	67 S1-	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Client: WSP USA Inc.

Project/Site: AJ ADKINS Battery #3

Job ID: 890-1191-1

SDG: Lea County

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7262/5-A

Matrix: Solid

Analysis Batch: 7384

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7262

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/01/21 09:00	09/01/21 12:55	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/01/21 09:00	09/01/21 12:55	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/01/21 09:00	09/01/21 12:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		09/01/21 09:00	09/01/21 12:55	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/01/21 09:00	09/01/21 12:55	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		09/01/21 09:00	09/01/21 12:55	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		09/01/21 09:00	09/01/21 12:55	1

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105	70 - 130	09/01/21 09:00	09/01/21 12:55	1
1,4-Difluorobenzene (Surr)	100	70 - 130	09/01/21 09:00	09/01/21 12:55	1

Lab Sample ID: LCS 880-7262/1-A

Matrix: Solid

Analysis Batch: 7384

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

Prep Batch: 7262

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Benzene 0.100 0.07243 mg/Kg 72 70 - 130 Toluene 0.100 0.1000 mg/Kg 100 70 - 130 Ethylbenzene 0.1008 101 0.100 mg/Kg 70 - 130 m-Xylene & p-Xylene 0.200 0.1893 mg/Kg 95 70 - 130 70 - 130 0.100 0.08763 o-Xylene mg/Kg 88

LCS LCS

Surrogate	%Recovery Qualif	ier Limits
4-Bromofluorobenzene (Surr)	104	70 - 130
1.4-Difluorobenzene (Surr)	77	70 - 130

Lab Sample ID: LCSD 880-7262/2-A

Matrix: Solid

Analysis Batch: 7384

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 7262

	Spike	LCSD LCSD			%Rec.		RPD
Analyte	Added	Result Qualifier	Unit	D %Rec	Limits	RPD	Limit
Benzene	0.100	0.07059	mg/Kg	71	70 - 130	3	35
Toluene	0.100	0.08551	mg/Kg	86	70 - 130	16	35
Ethylbenzene	0.100	0.09127	mg/Kg	91	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1691	mg/Kg	85	70 - 130	11	35
o-Xylene	0.100	0.08001	mg/Kg	80	70 - 130	9	35

LCSD LCSD

Surrogate	%Recovery Qualifi	er Limits
4-Bromofluorobenzene (Surr)	109	70 - 130
1.4-Difluorobenzene (Surr)	86	70 - 130

Lab Sample ID: 880-5629-A-1-D MS

Matrix Solid

Analysis Batch: 7384									Prep Type: Total/N/ Prep Batch: 726	
-	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U F1	0.0998	0.04812	F1	mg/Kg		48	70 - 130	_

Eurofins Xenco, Carlsbad

Client Sample ID: Matrix Spike

Page 10 of 28

Client: WSP USA Inc. Job ID: 890-1191-1 Project/Site: AJ ADKINS Battery #3 SDG: Lea County

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

Lab Sample ID: 880-5629-A-1-D MS Client Sample ID: Matrix Spike Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 7384

Sample	Sample	Spike	MS	MS				%Rec.
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
<0.00200	U F1	0.0998	0.06939	F1	mg/Kg		69	70 - 130
<0.00200	U F1	0.0998	0.06915	F1	mg/Kg		68	70 - 130
<0.00399	U F1	0.200	0.1322	F1	mg/Kg		66	70 - 130
<0.00200	U F1	0.0998	0.06388	F1	mg/Kg		63	70 - 130
	Result <0.00200 <0.00200 <0.00399	Sample Result Qualifier	Result Qualifier Added <0.00200	Result Qualifier Added Result <0.00200	Result Qualifier Added Result Qualifier <0.00200	Result Qualifier Added Result Qualifier Unit <0.00200	Result Qualifier Added Result Qualifier Unit D <0.00200	Result Qualifier Added Added Action Result Qualifier Qualifier Unit Unit Unit Unit Unit Unit Unit Unit

MS MS

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

Lab Sample ID: 880-5629-A-1-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 7384

Prep Type: Total/NA
Prep Batch: 7262

Prep Batch: 7262

Sample Sample Spike MSD MSD %Rec. **RPD** Result Qualifier Result Qualifier Limit Analyte Added Unit D %Rec Limits RPD Benzene <0.00200 U F1 0.101 0.05315 F1 53 70 - 130 35 mg/Kg 10 Toluene <0.00200 UF1 0.101 0.07792 mg/Kg 77 70 - 130 35 12 Ethylbenzene <0.00200 UF1 0.101 0.08067 mg/Kg 79 70 - 130 15 35 m-Xylene & p-Xylene 0.202 79 <0.00399 UF1 0.1589 mg/Kg 70 - 130 18 35 o-Xylene <0.00200 UF1 0.101 0.07367 mg/Kg 72 70 - 130

MSD MSD

Surrogate	%Recovery Qualifie	r Limits
4-Bromofluorobenzene (Surr)	114	70 - 130
1 4-Diffuorobenzene (Surr)	68 S1-	70 - 130

Lab Sample ID: MB 880-7288/5-A **Client Sample ID: Method Blank Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 7310 Prep Batch: 7288

	MB	MR						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 12:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 12:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 12:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		08/31/21 08:55	08/31/21 12:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		08/31/21 08:55	08/31/21 12:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		08/31/21 08:55	08/31/21 12:45	1
Total BTFX	<0.00400	U	0.00400	ma/Ka		08/31/21 08:55	08/31/21 12:45	1

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	08/31/21 08:55	08/31/21 12:45	1
1 4-Difluorobenzene (Surr)	102		70 - 130	08/31/21 08:55	08/31/21 12:45	1

08/31/21 08:55 08/31/21 12:4: Lab Sample ID: LCS 880-7288/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid Analysis Batch: 7310

Analysis Batch: 7310							Prep	Batch: 7288
	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08465		mg/Kg		85	70 - 130	
Toluene	0.100	0.08005		mg/Kg		80	70 - 130	

Eurofins Xenco, Carlsbad

Prep Type: Total/NA

9/3/2021

Client: WSP USA Inc.

Job ID: 890-1191-1

Project/Site: AJ ADKINS Battery #3

SDG: Lea County

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

107

109

Lab Sample ID: LCS 880-7288/1-A Client Sample ID: Lab Control Sample

Matrix: Solid Analysis Batch: 7310

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Prep Batch: 7288

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	0.100	0.07981		mg/Kg		80	70 - 130	
m-Xylene & p-Xylene	0.200	0.1630		mg/Kg		82	70 - 130	
o-Xylene	0.100	0.08289		mg/Kg		83	70 - 130	

m-Xylene & p-Xylene 0.200 0.1630 mg/Kg 82 70 - 130 o-Xylene 0.100 0.08289 mg/Kg 83 70 - 130 LCS LCS

Surrogate %Recovery Qualifier Limits

70 - 130

70 - 130

Lab Sample ID: LCSD 880-7288/2-A

Matrix: Solid

Analysis Batch: 7310

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 7288

LCSD LCSD Spike %Rec. **RPD** Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Benzene 0.100 0.08632 86 70 - 130 2 35 mg/Kg Toluene 0.08065 70 - 130 35 0.100 mg/Kg 81 Ethylbenzene 0.100 0.08073 mg/Kg 81 70 - 130 35 m-Xylene & p-Xylene 0.200 0.1661 83 70 - 130 35 mq/Kq o-Xylene 0.100 0.08411 mg/Kg 84 70 - 130

 Surrogate
 %Recovery 4-Bromofluorobenzene (Surr)
 109
 70 - 130

 1,4-Difluorobenzene (Surr)
 108
 70 - 130

Lab Sample ID: 890-1187-A-1-E MS

Matrix: Solid

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

Analysis Batch: 7310

Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier Limits **Analyte** Unit D %Rec Benzene <0.00202 UF1 0.100 0.05518 F1 mg/Kg 55 70 - 130 Toluene <0.00202 UF1 0.100 0.04081 F1 mg/Kg 40 70 - 130 Ethylbenzene 0.0105 F1 0.100 0.04669 F1 mg/Kg 36 70 - 130 m-Xvlene & p-Xvlene 0.0247 F1 0.200 0.1601 F1 ma/Ka 68 70 - 130 70 - 130

		= =		******			
o-Xylene	0.0159	F1	0.100	0.08001 F1	mg/Kg	64	70
	MS	MS					
Surrogate	%Recovery	Qualifier	Limits				
4-Bromofluorobenzene (Surr)	182	S1+	70 - 130				

93

. Lab Sample ID: 890-1187-A-1-F MSD Client Sample ID: Matrix Spike Duplicate

70 - 130

Matrix: Solid

1,4-Difluorobenzene (Surr)

Analysis Batch: 7310									Prep	Batch:	7288
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00202	U F1	0.100	0.05962	F1	mg/Kg		59	70 - 130	8	35
Toluene	<0.00202	U F1	0.100	0.04353	F1	mg/Kg		43	70 - 130	6	35
Ethylbenzene	0.0105	F1	0.100	0.05419	F1	mg/Kg		44	70 - 130	15	35
m-Xylene & p-Xylene	0.0247	F1	0.201	0.1898		mg/Kg		82	70 - 130	17	35
o-Xylene	0.0159	F1	0.100	0.09155		mg/Kg		75	70 - 130	13	35

Eurofins Xenco, Carlsbad

Prep Type: Total/NA

Prep Batch: 7288

Page 12 of 28

Client: WSP USA Inc.

Job ID: 890-1191-1

Project/Site: AJ ADKINS Battery #3

SDG: Lea County

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

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	157	S1+	70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

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

Lab Sample ID: MB 880-7363/ Matrix: Solid Analysis Batch: 7359	1-A						le ID: Method Prep Type: To Prep Batcl	otal/NA
7 manyoro Zatom 1000	МВ	MB					1 10p 2000	
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/01/21 11:41	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/01/21 11:41	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/01/21 11:41	1
Total TPH	<50.0	U	50.0	mg/Kg		09/01/21 08:19	09/01/21 11:41	1
	МВ	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	67	S1-	70 - 130			09/01/21 08:19	09/01/21 11:41	1
o-Terphenyl	67	S1-	70 - 130			09/01/21 08:19	09/01/21 11:41	1

Lab Sample ID: LCS 880- Matrix: Solid Analysis Batch: 7359	Matrix: Solid					Clien	it Sai	mple ID	Lab Contro Prep Type Prep Ba	
			Spike	LCS	LCS				%Rec.	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	-		1000	853.0		mg/Kg		85	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	1213		mg/Kg		121	70 - 130	
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	126		70 - 130							
o-Terphenyl	141	S1+	70 - 130							

Lab Sample ID: LCSD 880 Matrix: Solid Analysis Batch: 7359	-7363/3-A				C	Client Sa	mple	ID: Lab	Control Prep Ty		al/NA
			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	864.0		mg/Kg		86	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1068		mg/Kg		107	70 - 130	13	20
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	87		70 - 130								
o-Terphenyl	96		70 - 130								

Client: WSP USA Inc. Job ID: 890-1191-1 Project/Site: AJ ADKINS Battery #3 SDG: Lea County

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

Lab Sample ID: 890-1190-A-1-F MS **Client Sample ID: Matrix Spike** Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 7359									Prep	Batch: 7363
	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	3660	F1	995	5638	F1	mg/Kg		199	70 - 130	
Diesel Range Organics (Over	448		995	1239		mg/Kg		79	70 - 130	

C10-C28)

MS MS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 70 - 130 89 70 - 130 o-Terphenyl 69 S1-

Lab Sample ID: 890-1190-A-1-G MSD

Analysis Batch: 7359

Matrix: Solid

Analysis Batch: 7359									Prep	Batch:	7363
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	3660	F1	998	5715	F1	mg/Kg		206	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	448		998	1276		mg/Kg		83	70 - 130	3	20

MSD MSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 91 70 - 130 o-Terphenyl 72 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7353/3 **Client Sample ID: Method Blank Prep Type: Total/NA**

Matrix: Solid

Analysis Batch: 7353

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.500	U	0.500	mg/Kg			08/31/21 22:21	1

Lab Sample ID: MB 880-7257/1-A **Client Sample ID: Method Blank Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 7344

		IVID						
Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			08/31/21 15:44	1

Lab Sample ID: LCS 880-7257/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 7344

Eurofins Xenco, Carlsbad

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Client: WSP USA Inc. Project/Site: AJ ADKINS Battery #3

Job ID: 890-1191-1

SDG: Lea County

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-7257/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Soluble

Analysis Batch: 7344

Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier Unit %Rec Limits RPD Limit Analyte D Chloride 250 264.2 mg/Kg 106 90 - 110 n 20

Lab Sample ID: 890-1187-A-1-C MS Client Sample ID: Matrix Spike

Prep Type: Soluble

Matrix: Solid

Analysis Batch: 7344

Sample Sample Spike MS MS %Rec. Result Qualifier Result Qualifier Added D %Rec Limits Analyte Unit 249 90 - 110 Chloride 98.8 366.4 mg/Kg 107

Lab Sample ID: 890-1187-A-1-D MSD Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Matrix: Solid

Analysis Batch: 7344

Sample Sample Spike MSD MSD %Rec. **RPD** Result Qualifier Added Result Qualifier Limits **RPD Analyte** Unit %Rec Limit Chloride 98.8 249 363.7 106 90 - 110 20 mg/Kg

Lab Sample ID: MB 880-7258/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 7352

MB MB

Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac <5.00 U 5 00 08/31/21 18:48 Chloride mg/Kg

Lab Sample ID: LCS 880-7258/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 7352

LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 266.8 107 mg/Kg 90 - 110

Lab Sample ID: LCSD 880-7258/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 7352

Spike LCSD LCSD %Rec. **RPD** Added Result Qualifier Limits **RPD** Limit Analyte Unit D %Rec 250 Chloride 265.2 mg/Kg 106 90 - 110

Lab Sample ID: 890-1178-A-5-D MS Client Sample ID: Matrix Spike **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 7352

Sample Sample Spike MS MS %Rec. Result Qualifier Added Result Qualifier Limits Analyte Unit %Rec 250 Chloride 214 475.1 mg/Kg 104 90 - 110

Lab Sample ID: 890-1178-A-5-E MSD **Client Sample ID: Matrix Spike Duplicate Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 7352

Released to Imaging: 10/5/2021 9:11:32 AM

Spike MSD MSD %Rec. **RPD** Sample Sample Added **RPD** Analyte Result Qualifier Result Qualifier Unit D %Rec Limits Limit Chloride 214 250 473.8 mg/Kg 104 90 - 11020

Client: WSP USA Inc. Job ID: 890-1191-1 Project/Site: AJ ADKINS Battery #3

SDG: Lea County

Client Sample ID: BH03

Prep Type: Soluble

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-7346/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 7353

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

Lab Sample ID: LCSD 880-7346/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 7353

Spike LCSD LCSD %Rec. **RPD** Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 260.3 90 - 110 mg/Kg 104

Lab Sample ID: 890-1191-4 MS Client Sample ID: BH03 **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 7353

Sample Sample Spike MS MS %Rec. Analyte Result Qualifier Added Result Qualifier Limits Unit %Rec Chloride 12.6 248 276.1 106 mg/Kg

Lab Sample ID: 890-1191-4 MSD

Matrix: Solid

Analysis Batch: 7353

Spike MSD MSD %Rec. **RPD** Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 12.6 248 260.8 100 mg/Kg 90 - 110

Client: WSP USA Inc.

Project/Site: AJ ADKINS Battery #3

Job ID: 890-1191-1 SDG: Lea County

GC VOA

Prep Batch: 7262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1191-1	BH01	Total/NA	Solid	5035	
MB 880-7262/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7262/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7262/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5629-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
880-5629-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 7288

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1191-1	BH01	Total/NA	Solid	5035	
890-1191-2	BH01	Total/NA	Solid	5035	
890-1191-3	BH03	Total/NA	Solid	5035	
890-1191-4	BH03	Total/NA	Solid	5035	
890-1191-5	BH04	Total/NA	Solid	5035	
890-1191-6	BH04	Total/NA	Solid	5035	
MB 880-7288/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7288/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7288/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1187-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-1187-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 7310

Lab Sample ID 890-1191-1	Client Sample ID BH01	Prep Type Total/NA	Matrix Solid	Method 8021B	Prep Batch 7288
890-1191-2	BH01	Total/NA	Solid	8021B	7288
890-1191-3	BH03	Total/NA	Solid	8021B	7288
890-1191-4	BH03	Total/NA	Solid	8021B	7288
890-1191-5	BH04	Total/NA	Solid	8021B	7288
890-1191-6	BH04	Total/NA	Solid	8021B	7288
MB 880-7288/5-A	Method Blank	Total/NA	Solid	8021B	7288
LCS 880-7288/1-A	Lab Control Sample	Total/NA	Solid	8021B	7288
LCSD 880-7288/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7288
890-1187-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	7288
890-1187-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	7288

Analysis Batch: 7384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1191-1	BH01	Total/NA	Solid	8021B	7262
MB 880-7262/5-A	Method Blank	Total/NA	Solid	8021B	7262
LCS 880-7262/1-A	Lab Control Sample	Total/NA	Solid	8021B	7262
LCSD 880-7262/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7262
880-5629-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	7262
880-5629-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	7262

GC Semi VOA

Analysis Batch: 7359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1191-1	BH01	Total/NA	Solid	8015B NM	7363
890-1191-2	BH01	Total/NA	Solid	8015B NM	7363
890-1191-3	BH03	Total/NA	Solid	8015B NM	7363

Eurofins Xenco, Carlsbad

Page 17 of 28

Client: WSP USA Inc.

Project/Site: AJ ADKINS Battery #3

Job ID: 890-1191-1 SDG: Lea County

GC Semi VOA (Continued)

Analysis Batch: 7359 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1191-4	BH03	Total/NA	Solid	8015B NM	7363
890-1191-5	BH04	Total/NA	Solid	8015B NM	7363
890-1191-6	BH04	Total/NA	Solid	8015B NM	7363
MB 880-7363/1-A	Method Blank	Total/NA	Solid	8015B NM	7363
LCS 880-7363/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7363
LCSD 880-7363/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7363
890-1190-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	7363
890-1190-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	7363

Prep Batch: 7363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1191-1	BH01	Total/NA	Solid	8015NM Prep	-
890-1191-2	BH01	Total/NA	Solid	8015NM Prep	
890-1191-3	BH03	Total/NA	Solid	8015NM Prep	
890-1191-4	BH03	Total/NA	Solid	8015NM Prep	
890-1191-5	BH04	Total/NA	Solid	8015NM Prep	
890-1191-6	BH04	Total/NA	Solid	8015NM Prep	
MB 880-7363/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7363/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7363/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1190-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1190-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 7257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1191-1	BH01	Soluble	Solid	DI Leach	
890-1191-2	BH01	Soluble	Solid	DI Leach	
890-1191-3	BH03	Soluble	Solid	DI Leach	
MB 880-7257/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7257/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7257/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1187-A-1-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1187-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 7258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7258/1-A	Method Blank	Soluble	Solid	DI Leach	<u> </u>
LCS 880-7258/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7258/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1178-A-5-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1178-A-5-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 7344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1191-1	BH01	Soluble	Solid	300.0	7257
890-1191-2	BH01	Soluble	Solid	300.0	7257
890-1191-3	BH03	Soluble	Solid	300.0	7257
MB 880-7257/1-A	Method Blank	Soluble	Solid	300.0	7257
LCS 880-7257/2-A	Lab Control Sample	Soluble	Solid	300.0	7257

Client: WSP USA Inc.

Project/Site: AJ ADKINS Battery #3

Job ID: 890-1191-1 SDG: Lea County

HPLC/IC (Continued)

Analysis Batch: 7344 (Continued)

Lab Sample ID LCSD 880-7257/3-A	Client Sample ID Lab Control Sample Dup	Prep Type Soluble	Matrix Solid	Method 300.0	Prep Batch 7257
890-1187-A-1-C MS	Matrix Spike	Soluble	Solid	300.0	7257
890-1187-A-1-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	7257

Leach Batch: 7346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1191-4	BH03	Soluble	Solid	DI Leach	
890-1191-5	BH04	Soluble	Solid	DI Leach	
890-1191-6	BH04	Soluble	Solid	DI Leach	
LCS 880-7346/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7346/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1191-4 MS	BH03	Soluble	Solid	DI Leach	
890-1191-4 MSD	BH03	Soluble	Solid	DI Leach	

Analysis Batch: 7352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7258/1-A	Method Blank	Soluble	Solid	300.0	7258
LCS 880-7258/2-A	Lab Control Sample	Soluble	Solid	300.0	7258
LCSD 880-7258/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7258
890-1178-A-5-D MS	Matrix Spike	Soluble	Solid	300.0	7258
890-1178-A-5-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	7258

Analysis Batch: 7353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1191-4	BH03	Soluble	Solid	300.0	7346
890-1191-5	BH04	Soluble	Solid	300.0	7346
890-1191-6	BH04	Soluble	Solid	300.0	7346
MB 880-7353/3	Method Blank	Total/NA	Solid	300.0	
LCS 880-7346/2-A	Lab Control Sample	Soluble	Solid	300.0	7346
LCSD 880-7346/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7346
890-1191-4 MS	BH03	Soluble	Solid	300.0	7346
890-1191-4 MSD	BH03	Soluble	Solid	300.0	7346

SDG: Lea County

Client Sample ID: BH01

Lab Sample ID: 890-1191-1

Matrix: Solid

Date Collected: 08/27/21 10:00 Date Received: 08/27/21 16:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	7262	09/01/21 09:00	MR	XEN MID
Total/NA	Analysis	8021B		50	5 mL	5 mL	7384	09/01/21 16:23	KL	XEN MID
Total/NA	Prep	5035			5.02 g	5 mL	7288	08/31/21 08:55	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7310	08/31/21 18:41	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7363	09/01/21 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/01/21 14:51	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	7257	08/31/21 13:50	CH	XEN MID
Soluble	Analysis	300.0		1			7344	08/31/21 18:11	SC	XEN MID

Client Sample ID: BH01 Lab Sample ID: 890-1191-2

Date Collected: 08/27/21 10:05 **Matrix: Solid** Date Received: 08/27/21 16:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	7288	08/31/21 08:55	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7310	08/31/21 19:01	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7363	09/01/21 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/01/21 15:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7257	08/31/21 13:50	CH	XEN MID
Soluble	Analysis	300.0		1			7344	08/31/21 18:17	SC	XEN MID

Lab Sample ID: 890-1191-3 **Client Sample ID: BH03**

Date Collected: 08/27/21 10:45 Matrix: Solid Date Received: 08/27/21 16:20

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	7288	08/31/21 08:55	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7310	08/31/21 19:22	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7363	09/01/21 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/01/21 15:34	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	7257	08/31/21 13:50	CH	XEN MID
Soluble	Analysis	300.0		1			7344	08/31/21 18:22	SC	XEN MID

Lab Sample ID: 890-1191-4 **Client Sample ID: BH03** Date Collected: 08/27/21 10:50 **Matrix: Solid**

Date Received: 08/27/21 16:20

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	7288	08/31/21 08:55	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7310	08/31/21 19:42	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	7363	09/01/21 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/01/21 15:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7346	08/31/21 15:50	CH	XEN MID
Soluble	Analysis	300.0		1			7353	08/31/21 22:38	CH	XEN MID

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-1191-1 Project/Site: AJ ADKINS Battery #3 SDG: Lea County

Client Sample ID: BH04

Date Collected: 08/27/21 11:15 Date Received: 08/27/21 16:20 Lab Sample ID: 890-1191-5

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	7288	08/31/21 08:55	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7310	08/31/21 20:03	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	7363	09/01/21 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/01/21 16:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	7346	08/31/21 15:51	CH	XEN MID
Soluble	Analysis	300.0		1			7353	08/31/21 22:55	CH	XEN MID

Client Sample ID: BH04

Date Collected: 08/27/21 11:20 Date Received: 08/27/21 16:20 Lab Sample ID: 890-1191-6

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	7288	08/31/21 08:55	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7310	08/31/21 20:23	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	7363	09/01/21 08:19	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7359	09/01/21 16:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	7346	08/31/21 15:51	CH	XEN MID
Soluble	Analysis	300.0		1			7353	08/31/21 23:01	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: 890-1191-1 Project/Site: AJ ADKINS Battery #3 SDG: Lea County

Laboratory: Eurofins Xenco, Midland

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

Authority	P	rogram	Identification Number	Expiration Date
Texas	N	IELAP	T104704400-20-21	06-30-22
The following analyte	s are included in this rep	ort, but the laboratory is r	not certified by the governing authority.	This list may include analytes for which
41	_ ec		, , ,	,
the agency does not on the Analysis Method	offer certification. Prep Method	Matrix	Analyte	, ,
0 ,		Matrix Solid	Analyte Total TPH	

Method Summary

Client: WSP USA Inc.

Project/Site: AJ ADKINS Battery #3

Job ID: 890-1191-1

SDG: Lea County

boratory	
N MID	
N MID	

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: AJ ADKINS Battery #3

Job ID: 890-1191-1

SDG: Lea County

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1191-1	BH01	Solid	08/27/21 10:00	08/27/21 16:20	0.5
890-1191-2	BH01	Solid	08/27/21 10:05	08/27/21 16:20	1
890-1191-3	BH03	Solid	08/27/21 10:45	08/27/21 16:20	0.5
890-1191-4	BH03	Solid	08/27/21 10:50	08/27/21 16:20	1
890-1191-5	BH04	Solid	08/27/21 11:15	08/27/21 16:20	0.5
890-1191-6	BH04	Solid	08/27/21 11:20	08/27/21 16:20	1

3

4

7

8

4.0

11

12

1 /

eurofins

Xenco

Environment Testing

121314

Chain of Custody

Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3 EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1; Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3 Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300

_				mments	Work Order Comments	
]	-	o,	-	Page	www.xenco.com	199
						296
					Work Order No:	3334

Project Name: AT Adkins Batter #3		A E	Pres.	ANALYSIS REQUEST		ervati
Project Number:	7	ZakoudneRusii	Code			Molid: NO
Project Location: Lea County	D	Due Date:		1)		Cool: Cool MeOH: Me
Sampler's Name: Anna Buck	5 T.	TAT starts the day received by		00		
PO#	-	the lab, if received by 4:30pm	rs	w		H ₂ SO ₄ : H ₂ NaOH: Na
SAMPLE RECEIPT Temp Blank:	Yes No	Wet Ice: Yes No	nete	815		H ₃ PO ₄ : HP
Samples Received Intact: Yes No	Thermometer ID:	D: I-NM-00		80		NaHSO ₄ : NABIS
¥	Correction Factor	tor: -0.2	Pa	A	of Custody	Na ₂ S ₂ O ₃ : NaSO ₃
No NIA	Temperature Reading:	Reading: 1.6		EPI		Zn Acetate+NaOH: Zn
	Corrected Temperature:	perature: 1. C		(NaOH+Ascorbic Acid: SAPC
Sample Identification Matrix	Date Sampled S	Time Depth Comp	Grab/ # of Comp Cont	BIE TPH Chi		Sample Comments
51181	11/10/10/3	1800 P.S. 624	-			NAPP2117561837
Bilal		1 Sast	-			
BHOS	16	1245 0.5	-	<		
EHT 3	Jús l	1, 45,00	-			
BHOW		1115 85	-			
B+184	1	1120	-			
				(
Total 200.7 / 6010 200.8 / 6020:	8RC	8RCRA 13PPM Texas 11	<u>≯</u>	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe F	X Se	Na Sr TI Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed		CLP / SPLP 6010: 8F	CRA	TCLP / SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag TI U		Hg: 1631 / 245.1 / /4/0 / /4/1
Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of sarvice. Eurofins 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 the cost of samples and a charge of \$5.5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated	of samples constituted to samples and s	utes a valid purchase order fro hall not assume any responsit	m client co	pany to Eurofins Xenco, its affiliates and subcontract losses or expenses incurred by the client if such losse ubmitted to Eurofins Xenco, but not analyzed. These to	ors. It assigns standard terms and conditions as are due to circumstances beyond the control erms will be enforced unless previously negotiated	
Relinquished by: (Signature)	Received I	Received by: (Signature)		Date/Time Relinquished by: (Signatu	nature) Received by: (Signature)	e) Date/Time
Municipal NC	*		6	8/27/21 4:20		
				4		

Pro San San Tota

Phone:

AT Adkins Battery #3 337-257-8387 City, State ZIP:

ddress:

Project Manager:

Company Name:

WSP Tacomo

711664 かたらた

City, State ZIP:

acro

bures

(5)

83

(E W

Deliverables: EDD

ADaPT

Preservative Codes

State of Project:

Program: UST/PST ☐ PRP☐ Brownfields ☐ RRC ☐ Superfund ☐

Reporting: Level II 🗌 Level III 🔲 PST/UST 🔲 TRRP 📗

Level IV

ANALYSIS REQUEST

Company Name: Bill to: (if different)

Revised Date: 08/25/2020 Rev 2020.2

Eurofins Xenco, Carlsbad

	_		

	_		
	=		
	Ī	_	
	_		
	_		
		=	
	=		
1	_		
- 1			
		=	
	in the		
	_	_	
		_	
		=	
		_	
		=	

eurofins Environment Testing

America

1089 N Canal St.	^	Chain of Custody Record				3												. م	💸 eurofins	Environment Tostice
Carlsbad NM 88220 Phone 575-988-3199 Fax 575-988-3199			9	Can I	6	\$				_										America
Client Information (Sub Contract Lab)	Sampler			Lab PM Kramer	Mer Je	Jessica	l	ı		1		Carrie	Carrier Tracking No(s)	king	(s)				COC No 890-375 1	
1	Phone	** ** ** ** ** ** ** ** ** ** ** ** **		E-Mail Jessic	ca.krar	ner@	eurofi	nset	mom			State	State of Origin. New Mexico	8 si					Page:	
Company Eurofins Xenco					Accreditations Required (See note) NELAP - Louisiana, NELAP	ations P - Lo	Require	ed (See	note)	Texas	as		J	ĺ					Job# 890-1191-1	
Address 1211 W Florida Ave	Due Date Requested 8/30/2021	ă								ysis	Requested	les	ē						Preservation Codes	Š
City Midland	TAT Requested (days)	ıys)					_	\dashv	\dashv	TÌ								4	HCL NaOH	
State, Zip TX 79701					the terms of the													and the Contract	D Nitric Acid E NaHSO4	P Na2O4S Q Na2SO3
Phone: 432-704-5440(Tel)	PO#				<u>Verdistrati</u>	ТРН	le											terresistation de	MeOH Amchlor	
Email	# OW				W.M 11	p Full	Chlorid											<u> </u>	ASCORDIC ACID	
Project Name: AJADKINS Battery #3	Project #: 89000048				1. U. 7.00 2002	S_Pre		EX 										iner		W pH 4-5 Z other (specify)
Site	#WOSS				manus historia	16NM_		alc BT							·			this later the	Other:	
		8	Sample Type	Matrix (w=water S=solid,	l Filtered S orm MS/MS	MOD_NM/80	ORGFM_28D	B/5035FP_C		······································					*****			Number o		
Sample Identification - Client ID (Lab ID)	Sample Date	Time		크	V 2 15 15 27	80	4-	802		T	and the second	A-constant	and the second					Tot	Special Ins	pecial Instructions/Note
BH01 (890-1191-1)	8/27/24	10 00	F leservation Code,	colla code.	-	٠.	مبيف	-	ŀ	-	i i i i i i i i i i i i i i i i i i i	insp i	, and the same of		l.	L		×	A STATE OF THE STA	
		Mountain 10.05		0	+	>	>	┼	-	t			L							
	0/2//21	Mountain		Solid		×	×	×	╁┈	T								-3		
BH03 (890-1191-3)	8/27/21	Mountain		Solid		×	×	×										97 94 4 94		
BH03 (890-1191-4)	8/27/21	Mountain		Solid		×	×	<u>×</u>		************										
BH04 (890-1191-5)	8/27/21	11 15 Mountain		Solid		×	×	<u>~</u>	-									-		
BH04 (890-1191-6)	8/27/21	11 20 Mountain		Solid		×	×	×										.4		
Note Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment 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 attention immediately. If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC.	laces the ownership eing analyzed the sa signed Chain of Cus	of method, analy amples must be s stody attesting to	yte & accredita shipped back said complic	ation compliand to the Eurofins ance to Eurofir	e upon c Xenco L s Xenco	LLC. labo	contrac	t labora or othe	atories r instru	This s	sample will be	shipm	lent is	forwa ny ch	ırded	under to ac	chain	-of-cu	status should be broug	This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently clons will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC
Possible Hazard Identification Unconfirmed					Sa	Sample Disposal (A fee	le Disposal (A fi	sal (A fee		may be assessed if samples	sses	sed	fsa	nple	s ar		aine	er than 1	month)
Deliverable Requested Other (specify)	Primary Deliverable Rank. 2	ble Rank. 2			Spe	Special Instructions/QC Requirements	nstruc	tions/	QC R	equir	emer	ents		1	ľ			Š		monura
Empty Kit Relinquished by		Date			Time		\				1		Method of Shipment:	of S	hipm	ent:				
Relinquished by Cub S. 30-24 Relinquished by	Date/Time ⁻ Date/Time			Company		Received by	No Bellin			K/M					~	gte/Time	[I, I]	\simeq	E COMPANY	Company
Relinquished by	Date/Time			Company		Recei	Received by													Company
Custody Seals Intact: Custody Seal No						Cooles	Tempo	eratific		Ther Demarks	er D	mark's						1		Company
Δ Yes Δ No							1	211								l				Ver 06/08/2021
																				100,000,001

Login Sample Receipt Checklist

Client: WSP USA Inc. Job Number: 890-1191-1 SDG Number: Lea County

List Source: Eurofins Xenco, Carlsbad

Login Number: 1191 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	

Released to Imaging: 10/5/2021 9:11:32 AM

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1191-1

SDG Number: Lea County

Login Number: 1191 List Source: Eurofins Xenco, Midland List Number: 2 List Creation: 08/31/21 01:23 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	2.2 / 2.7
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	

0j 133

3

5

4

7

9

11

13

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1204-1

Laboratory Sample Delivery Group: 31403551.000

Client Project/Site: AJ Adkins Battery#3

For:

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

Attn: Tacoma Morrissey

MAMER

Authorized for release by: 9/2/2021 3:04:30 PM

Jessica Kramer, Project Manager (432)704-5440

jessica.kramer@eurofinset.com

LINKS

Review your project results through

Have a Question?



Visit us at:

www.eurofinsus.com/Env

Released to Imaging: 10/5/2021 9:11:32 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

3

5

6

8

9

11

Client: WSP USA Inc.

Project/Site: AJ Adkins Battery#3

Laboratory Job ID: 890-1204-1

SDG: 31403551.000

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	6
QC Sample Results	7
QC Association Summary	12
Lab Chronicle	14
Certification Summary	15
Method Summary	16
Sample Summary	17
Chain of Custody	18
Receipt Checklists	20

2

3

4

6

8

10

12

13

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1204-1 Project/Site: AJ Adkins Battery#3

SDG: 31403551.000

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

Detection Limit (DoD/DOE) DL

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

NC Not Calculated

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

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

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.
Project/Site: AJ Adkins Battery#3

Job ID: 890-1204-1 SDG: 31403551.000

Job ID: 890-1204-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1204-1

Receipt

The sample was received on 9/1/2021 9:16 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4° C

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

5

3

4

5

6

_

10

11

Matrix: Solid

Lab Sample ID: 890-1204-1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-1204-1

Project/Site: AJ Adkins Battery#3 SDG: 31403551.000

Client Sample ID: FSO1

Date Collected: 08/31/21 12:30 Date Received: 09/01/21 09:16

Sample Depth: 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U	0.00202	mg/Kg		09/01/21 15:30	09/02/21 02:51	
Toluene	0.00488		0.00202	mg/Kg		09/01/21 15:30	09/02/21 02:51	
Ethylbenzene	0.00482		0.00202	mg/Kg		09/01/21 15:30	09/02/21 02:51	
m-Xylene & p-Xylene	0.00817		0.00403	mg/Kg		09/01/21 15:30	09/02/21 02:51	
o-Xylene	0.00277		0.00202	mg/Kg		09/01/21 15:30	09/02/21 02:51	
Xylenes, Total	0.0109		0.00403	mg/Kg		09/01/21 15:30	09/02/21 02:51	
Total BTEX	0.0206		0.00403	mg/Kg		09/01/21 15:30	09/02/21 02:51	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	127		70 - 130			09/01/21 15:30	09/02/21 02:51	
1,4-Difluorobenzene (Surr)	97		70 - 130			09/01/21 15:30	09/02/21 02:51	
Method: 8015B NM - Diesel Ran	ge Organics (DI	RO) (GC)						
Madhada 0045D NM - Diagal Daw	O	20) (00)						
Analyte	Result	Qualifier	RL	Unit ma/Ka	<u>D</u>	Prepared 09/01/21 15:44	Analyzed 09/02/21 05:53	
Analyte Gasoline Range Organics	• •	Qualifier	RL 49.8	Unitmg/Kg	<u>D</u>	Prepared 09/01/21 15:44	Analyzed 09/02/21 05:53	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U			<u>D</u>			
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8	Qualifier U	49.8	mg/Kg	<u>D</u>	09/01/21 15:44	09/02/21 05:53	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8 <49.8	Qualifier U U	49.8	mg/Kg	<u>D</u>	09/01/21 15:44 09/01/21 15:44	09/02/21 05:53 09/02/21 05:53	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	Result <49.8 <49.8 <49.8	Qualifier U U U U	49.8 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/01/21 15:44 09/01/21 15:44 09/01/21 15:44	09/02/21 05:53 09/02/21 05:53 09/02/21 05:53	
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH Surrogate	Result <49.8 <49.8 <49.8 <49.8	Qualifier U U U U	49.8 49.8 49.8 49.8	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/01/21 15:44 09/01/21 15:44 09/01/21 15:44 09/01/21 15:44	09/02/21 05:53 09/02/21 05:53 09/02/21 05:53 09/02/21 05:53	Dil Fa
Method: 8015B NM - Diesel Range 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 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 <49.8 %Recovery	Qualifier U U U U	49.8 49.8 49.8 49.8 Limits	mg/Kg mg/Kg mg/Kg	<u> </u>	09/01/21 15:44 09/01/21 15:44 09/01/21 15:44 09/01/21 15:44 Prepared	09/02/21 05:53 09/02/21 05:53 09/02/21 05:53 09/02/21 05:53 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	Result	Qualifier U U U Qualifier	49.8 49.8 49.8 49.8 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/01/21 15:44 09/01/21 15:44 09/01/21 15:44 09/01/21 15:44 Prepared 09/01/21 15:44	09/02/21 05:53 09/02/21 05:53 09/02/21 05:53 09/02/21 05:53 Analyzed 09/02/21 05:53	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	Qualifier U U U Qualifier	49.8 49.8 49.8 49.8 Limits 70 - 130	mg/Kg mg/Kg mg/Kg	<u>D</u>	09/01/21 15:44 09/01/21 15:44 09/01/21 15:44 09/01/21 15:44 Prepared 09/01/21 15:44	09/02/21 05:53 09/02/21 05:53 09/02/21 05:53 09/02/21 05:53 Analyzed 09/02/21 05:53	Dil Fac

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1204-1 Project/Site: AJ Adkins Battery#3 SDG: 31403551.000

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-5663-A-1-B MS	Matrix Spike	112	105	
880-5663-A-1-C MSD	Matrix Spike Duplicate	109	106	
890-1204-1	FSO1	127	97	
LCS 880-7338/1-A	Lab Control Sample	111	104	
LCS 880-7386/1-A	Lab Control Sample	112	95	
LCSD 880-7338/2-A	Lab Control Sample Dup	107	105	
LCSD 880-7386/2-A	Lab Control Sample Dup	109	105	
MB 880-7338/5-A	Method Blank	102	98	
MB 880-7386/5-A	Method Blank	106	100	
Surrogate Legend				

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID			
890-1202-A-1-B MSD	Matrix Spike Duplicate			
Surrogate Legend				

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
890-1200-A-1-E MS	Matrix Spike	77	76	
890-1200-A-1-F MSD	Matrix Spike Duplicate	78	76	
890-1204-1	FSO1	81	88	
LCS 880-7409/2-A	Lab Control Sample	92	89	
LCSD 880-7409/3-A	Lab Control Sample Dup	87	86	
MB 880-7409/1-A	Method Blank	82	91	
Surrogate Legend				
1CO = 1-Chlorooctane				

Released to Imaging: 10/5/2021 9:11:32 AM

OTPH = o-Terphenyl

Client: WSP USA Inc. Job ID: 890-1204-1 SDG: 31403551.000 Project/Site: AJ Adkins Battery#3

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-7338/5-A

Matrix: Solid

Analysis Batch: 7383

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7338

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/01/21 09:30	09/01/21 12:55	
Toluene	<0.00200	U	0.00200	mg/Kg		09/01/21 09:30	09/01/21 12:55	•
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/01/21 09:30	09/01/21 12:55	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		09/01/21 09:30	09/01/21 12:55	
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/01/21 09:30	09/01/21 12:55	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		09/01/21 09:30	09/01/21 12:55	•
Total BTEX	<0.00400	U	0.00400	mg/Kg		09/01/21 09:30	09/01/21 12:55	

MB MB

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102	70 - 130	09/01/21 09:30	09/01/21 12:55	1
1,4-Difluorobenzene (Surr)	98	70 - 130	09/01/21 09:30	09/01/21 12:55	1

Lab Sample ID: LCS 880-7338/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 7383

Prep Type: Total/NA Prep Batch: 7338

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07874		mg/Kg		79	70 - 130	
Toluene	0.100	0.07626		mg/Kg		76	70 - 130	
Ethylbenzene	0.100	0.07838		mg/Kg		78	70 - 130	
m-Xylene & p-Xylene	0.200	0.1610		mg/Kg		80	70 - 130	
o-Xylene	0.100	0.08115		mg/Kg		81	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	111	70 - 130
1.4-Difluorobenzene (Surr)	104	70 - 130

Lab Sample ID: LCSD 880-7338/2-A

Matrix: Solid

Analysis Batch: 7383

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 7338

		Spike	LCSD	LCSD				%Rec.		RPD	
4	Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
l	Benzene	0.100	0.07580		mg/Kg		76	70 - 130	4	35	
-	Toluene	0.100	0.07204		mg/Kg		72	70 - 130	6	35	
	Ethylbenzene	0.100	0.07514		mg/Kg		75	70 - 130	4	35	
	m-Xylene & p-Xylene	0.200	0.1537		mg/Kg		77	70 - 130	5	35	
	o-Xylene	0.100	0.07813		mg/Kg		78	70 - 130	4	35	

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	107	70 _ 130
1.4-Difluorobenzene (Surr)	105	70 - 130

Lab Sample ID: 880-5663-A-1-B MS

Released to Imaging: 10/5/2021 9:11:32 AM

Matrix: Solid

Analysis Batch: 7383

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 7338

7 many one Date min 1 coo										- p - a	
	Sample	Sample	Spike	MS	MS				%Rec.		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	<0.00199	U F1	0.100	0.07493		ma/Ka		74	70 - 130		

Client: WSP USA Inc. Job ID: 890-1204-1 SDG: 31403551.000 Project/Site: AJ Adkins Battery#3

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

Lab Sample ID: 880-5663-A-1-B MS

Matrix: Solid

Analysis Batch: 7383

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

Prep Batch: 7338

Prep Type: Total/NA

10

10

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Toluene	<0.00199	U F1	0.100	0.07267	-	mg/Kg		72	70 - 130	
Ethylbenzene	<0.00199	U F1	0.100	0.07320		mg/Kg		73	70 - 130	
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.1510		mg/Kg		75	70 - 130	
o-Xylene	< 0.00199	U F1	0.100	0.07692		mg/Kg		77	70 - 130	

MS MS

Surrogate	%Recovery Qua	lifier Limits
4-Bromofluorobenzene (Surr)	112	70 - 130
1,4-Difluorobenzene (Surr)	105	70 - 130

Lab Sample ID: 880-5663-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

m-Xylene & p-Xylene

o-Xylene

Analysis Batch: 7383									Pre	p Batch	7338
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00199	U F1	0.101	0.06840	F1	mg/Kg		67	70 - 130	9	35
Toluene	<0.00199	U F1	0.101	0.06533	F1	mg/Kg		65	70 - 130	11	35
Ethylbenzene	<0.00199	U F1	0.101	0.06645	F1	mg/Kg		66	70 - 130	10	35

0.1366 F1

0.06947 F1

mg/Kg

mg/Kg

0.202

0.101

MSD MSD

<0.00398 UF1

<0.00199 UF1

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	109	70 - 130
1,4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: MB 880-7386/5-A

Matrix: Solid

Analysis Batch: 7383

Client Sample ID: Method Blank

70 - 130

70 - 130

Prep Type: Total/NA

Prep Batch: 7386

мв мв

1
1
1
1
1
1
1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130	09/01/21 15:30	09/01/21 23:47	1
1.4-Difluorobenzene (Surr)	100		70 - 130	09/01/21 15:30	09/01/21 23:47	1

Lab Sample ID: LCS 880-7386/1-A

Matrix: Solid

Analysis Batch: 7383

Client	Sample	ID:	Lab	Control	Samp	le

Prep Type: Total/NA

Prep Batch: 7386

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.07667		mg/Kg		77	70 - 130	
Toluene	0.100	0.07511		mg/Kg		75	70 - 130	

Eurofins Xenco, Carlsbad

35

Prep Batch: 7386

Prep Batch: 7386

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1204-1 Project/Site: AJ Adkins Battery#3 SDG: 31403551.000

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

Lab Sample ID: LCS 880-7386/1-A Client Sample ID: Lab Control Sample **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 7383** Prep Batch: 7386

	Spike	LCS	LCS				%Rec.	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Ethylbenzene	0.100	0.07912		mg/Kg		79	70 - 130	 _
m-Xylene & p-Xylene	0.200	0.1667		mg/Kg		83	70 - 130	
o-Xylene	0.100	0.09024		mg/Kg		90	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-7386/2-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 7383

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.100	0.07618		mg/Kg		76	70 - 130	1	35
Toluene	0.100	0.07362		mg/Kg		74	70 - 130	2	35
Ethylbenzene	0.100	0.07632		mg/Kg		76	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1589		mg/Kg		79	70 - 130	5	35
o-Xylene	0.100	0.08299		mg/Kg		83	70 - 130	8	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: 890-1202-A-1-B MSD Client Sample ID: Matrix Spike Duplicate **Matrix: Solid** Prep Type: Total/NA

Analysis Batch: 7383

Sample Sample Spike MSD MSD %Rec. RPD Result Qualifier Analyte Added Result Qualifier Limits **RPD** Limit Unit D %Rec Benzene <0.00198 U 0.0998 0.05170 mg/Kg Toluene <0.00198 0.0998 0.04259 mg/Kg Ethylbenzene <0.00198 U 0.0998 0.03835 mg/Kg m-Xylene & p-Xylene <0.00396 U 0.200 0.07838 mg/Kg 0.0998 <0.00198 U 0.04016 o-Xylene mg/Kg

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits

4-Bromofluorobenzene (Surr)

1,4-Difluorobenzene (Surr)

Diesel Range Organics (Over

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

<50.0 U

Lab Sample ID: MB 880-7409/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 7361** Prep Batch: 7409

MB MB Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac <50.0 U 50.0 09/01/21 15:44 09/01/21 21:54 Gasoline Range Organics mg/Kg (GRO)-C6-C10 50.0

mg/Kg

C10-C28)

Eurofins Xenco, Carlsbad

09/01/21 21:54

09/01/21 15:44

Page 9 of 21

Client: WSP USA Inc.

Job ID: 890-1204-1 SDG: 31403551.000 Project/Site: AJ Adkins Battery#3

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

Lab Sample ID: MB 880-7409/1-A

Matrix: Solid

Analysis Batch: 7361

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 7409

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/01/21 15:44	09/01/21 21:54	1
Total TPH	<50.0	U	50.0	mg/Kg		09/01/21 15:44	09/01/21 21:54	1

MB MB

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	82		70 - 130	09/01/21 15:4	4 09/01/21 21:54	1
o-Terphenyl	91		70 - 130	09/01/21 15:4	4 09/01/21 21:54	1

Lab Sample ID: LCS 880-7409/2-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 7361

Prep Type: Total/NA

Prep Batch: 7409

	Spike	LCS L	.cs				%Rec.	
Analyte	Added	Result C	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	969.5		mg/Kg		97	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	826.0		mg/Kg		83	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery Qua	alifier Limits
1-Chlorooctane	92	70 - 130
o-Terphenyl	89	70 - 130

Lab Sample ID: LCSD 880-7409/3-A

Matrix: Solid

Analysis Batch: 7361

Client Sam	ple ID: I	Lab Contro	Sample	e Dup

Prep Type: Total/NA

Prep Batch: 7409

LCSD LCSD Spike %Rec. **RPD** Added Result Qualifier Limit Analyte Unit %Rec Limits RPD Gasoline Range Organics 1000 930.2 mg/Kg 93 70 - 130 20 (GRO)-C6-C10 1000 792.8 79 20 Diesel Range Organics (Over mg/Kg 70 - 130 C10-C28)

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	87	70 - 130
o-Terphenyl	86	70 - 130

Lab Sample ID: 890-1200-A-1-E MS

Matrix: Solid

Analysis Batch: 7361

Client San	nple ID:	Matrix	Spike
	Pren T	vne: To	tal/NA

Prep Batch: 7409

	Sample	Sample	Spike	MS	MS				%Rec.
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics	<50.0	U	995	915.9		mg/Kg		92	70 - 130
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	995	729.9		mg/Kg		72	70 - 130
040 000)									

C10-C28)

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	77		70 - 130
o-Terphenyl	76		70 - 130

Client: WSP USA Inc. Job ID: 890-1204-1 Project/Site: AJ Adkins Battery#3 SDG: 31403551.000

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

MSD MSD

Lab Sample ID: 890-1200-A-1-F MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Prep Type: Total/NA

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: Matrix Spike

Client Sample ID: Matrix Spike Duplicate

Analysis Batch: 7361 Prep Batch: 7409 Sample Sample MSD MSD RPD Spike Result Qualifier Analyte Added Result Qualifier %Rec Limits RPD Limit Unit D Gasoline Range Organics <50.0 U 998 948.9 mg/Kg 95 70 - 130 4 20

(GRO)-C6-C10

998 730.8 72 Diesel Range Organics (Over <50.0 U mg/Kg 70 - 1300 20

C10-C28)

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 70 - 130 78 o-Terphenyl 76 70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-7406/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 7417

MB MB

Result Qualifier RL Unit Analyte Prepared Analyzed Dil Fac Chloride <5.00 5.00 mg/Kg 09/01/21 22:21

Lab Sample ID: LCS 880-7406/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 7417

Spike LCS LCS %Rec. Analyte Added Result Qualifier Unit D %Rec Limits Chloride 250 260.0 90 - 110 mg/Kg 104

Lab Sample ID: LCSD 880-7406/3-A

Matrix: Solid

Analysis Batch: 7417

	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	259.5		ma/Ka		104	90 - 110		20

Lab Sample ID: 890-1203-A-1-B MS

Matrix: Solid

Analysis Batch: 7417

Sample Sample Spike MS MS %Rec. Result Qualifier Added Qualifier Analyte Result %Rec Limits Unit Chloride 249 105 90 - 110 12.1 272.8 mg/Kg

Lab Sample ID: 890-1203-A-1-C MSD

Matrix: Solid

Analysis Batch: 7417											
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	12 1		249	272 9		ma/Ka		105	90 110		20

Client: WSP USA Inc.

Project/Site: AJ Adkins Battery#3

Job ID: 890-1204-1 SDG: 31403551.000

GC VOA

Prep Batch: 7338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7338/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7338/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7338/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-5663-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-5663-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 7383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1204-1	FS01	Total/NA	Solid	8021B	7386
MB 880-7338/5-A	Method Blank	Total/NA	Solid	8021B	7338
MB 880-7386/5-A	Method Blank	Total/NA	Solid	8021B	7386
LCS 880-7338/1-A	Lab Control Sample	Total/NA	Solid	8021B	7338
LCS 880-7386/1-A	Lab Control Sample	Total/NA	Solid	8021B	7386
LCSD 880-7338/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7338
LCSD 880-7386/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	7386
880-5663-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	7338
880-5663-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	7338
890-1202-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	7386

Prep Batch: 7386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
890-1204-1	FSO1	Total/NA	Solid	5035	
MB 880-7386/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-7386/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-7386/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1202-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 7361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1204-1	FSO1	Total/NA	Solid	8015B NM	7409
MB 880-7409/1-A	Method Blank	Total/NA	Solid	8015B NM	7409
LCS 880-7409/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	7409
LCSD 880-7409/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	7409
890-1200-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	7409
890-1200-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	7409

Prep Batch: 7409

Lab Sample ID 890-1204-1	Client Sample ID FSO1	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-7409/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-7409/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-7409/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1200-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1200-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 7406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1204-1	FS01	Soluble	Solid	DI Leach	

Eurofins Xenco, Carlsbad

Page 12 of 21

5

6

8

10

12

. .

Client: WSP USA Inc. Job ID: 890-1204-1 Project/Site: AJ Adkins Battery#3

SDG: 31403551.000

HPLC/IC (Continued)

Leach Batch: 7406 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-7406/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-7406/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-7406/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1203-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1203-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 7417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1204-1	FS01	Soluble	Solid	300.0	7406
MB 880-7406/1-A	Method Blank	Soluble	Solid	300.0	7406
LCS 880-7406/2-A	Lab Control Sample	Soluble	Solid	300.0	7406
LCSD 880-7406/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	7406
890-1203-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	7406
890-1203-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	7406

Lab Chronicle

Client: WSP USA Inc.

Project/Site: AJ Adkins Battery#3

Job ID: 890-1204-1

SDG: 31403551.000

Client Sample ID: FSO1 Lab Sample ID: 890-1204-1

Date Collected: 08/31/21 12:30 Matrix: Solid
Date Received: 09/01/21 09:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	7386	09/01/21 15:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	7383	09/02/21 02:51	KL	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	7409	09/01/21 15:44	DM	XEN MID
Total/NA	Analysis	8015B NM		1			7361	09/02/21 05:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	7406	09/01/21 15:32	CH	XEN MID
Soluble	Analysis	300.0		1			7417	09/02/21 11:05	CH	XEN MID

Laboratory References:

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

2

3

6

ا

9

11

13

Accreditation/Certification Summary

Client: WSP USA Inc. Job ID: 890-1204-1 Project/Site: AJ Adkins Battery#3 SDG: 31403551.000

Laboratory: Eurofins Xenco, Midland

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

Authority	Pro	ogram	Identification Number	Expiration Date
Texas	NE	LAP	T104704400-20-21	06-30-22
The following analytes	and the street and the state of the state of			
the agency does not off	• •	t the laboratory is not certifi	ied by the governing authority. This list ma	ay include analytes for
0 ,	• •	t the laboratory is not certifi Matrix	led by the governing authority. This list mathematically the Analyte	ay include analytes for
the agency does not off	fer certification.	,	, , ,	ay include analytes for

Method Summary

Client: WSP USA Inc.

Project/Site: AJ Adkins Battery#3

Job ID: 890-1204-1

SDG: 31403551.000

403551.000

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

Released to Imaging: 10/5/2021 9:11:32 AM

2

4

5

g

.

12

Sample Summary

Client: WSP USA Inc.

Project/Site: AJ Adkins Battery#3

Job ID: 890-1204-1

SDG: 31403551.000

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1204-1	FS01	Solid	08/31/21 12:30	09/01/21 09:16	1

				eurotins	
		Xenco	Environment lesting		
	Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	Chain of Custody
www.xenco.com Page 1	,		Work Order No:		

Revised Date 08/25/2020 Rev 2020 2		O			
		4			0
91.4.14.1b	Will Will	21/6:00 2 4	4/1	"Mywyly	ann Byen
e) Date/Tir	Relinquished by: (Signature) Received by	Date/Time Re	nature)	Received by Signature)	Relinquished by: (Signature)
usly negotiated.	of Eurofins Xenco. A minimum charge of \$85,00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	e submitted to Eurofins Xenco,	a charge of \$5 for each samp	00 will be applied to each project and	f Eurofins Xenco. A minimum charge of \$85.0
conditions I the control	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins 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 contro	company to Eurofins Xenco, its	d purchase order from client	ishment of samples constitutes a vali	otice: Signature of this document and relinqui
Hg: 1631 / 245.1 / 7470 / 7471	Ni Se Ag TI U	TCLP/SPLP 6010: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo	SPLP 6010: BRCRA		Circle Method(s) and Metal(s) to be analyzed
Ag SiO, Na Sr TI Sn U V Zn	CaCrCoCuFePbMgMnMoNiKSe/	Sb As Ba Be B Cd C	13PPM Texas 11 Al 9	8RCRA	Total 200.7 / 6010 200.8 / 6020:
		4			
		× ×	1, Comp 1	5 8/31/21 1230	FSØ1
Sample Comments		BTPH Chi	Depth Grab/ # of	Matrix Sampled Sampled	Sample Identification
NaCO DIC ACC. SAT C		(4.7	Corrected Temperature:	Total Containers:
An Acetate + NaCH: An		EF	+	(X)	Sample Custody Seals: Yes No
a ₂ S ₂ O ₃ NaSO ₃	CSO-1204 Chall of Custody	A	-0.7 P	WA Correction Factor:	Cooler Custody Seals: Yes No
aHSO ₄ : NABIS		81	arar	No Thermometer ID:	Samples Received Intact: (Yes) No
3PO4: HP		215	No nete	lank: Yes No Wet Ice:	SAMPLE RECEIPT Temp Blank:
2SU4: H2 NaCH: Na		1	_		
		no	TAT starts the day received by	D	Sampler's Name: Anna Bu
_		el)	2417	Due Date:	Project Location: Lea County
None: NO DI Water: H ₂ O			Mush Code	. ØØØ ☐ □Routine	Project Number: 31463551. 646
Preservative Codes	ANALYSIS REQUEST		Turn Around	AT Adkins Battery #3 Tu	Project Name: AT Acikins
ADaP Ciner:	Deliverables: EDD	byers & wsp. com	anna.	257-8307 Email:	Phone: 337-25
	Reporting: Level II Level		City, State ZIP:	SALES XI. Y	City, State ZIP: Midland
	State of Project:		Address:	A St	Address: 33:200 N
Program: UST/PST PRP Browntields RRC Superfund	Program: UST/PST PR		Company Name:		Company Name: WSP USA
	Woi		Bill to: (if different)	Morrissey	Project Manager: Tak comes
www.xenco.com Page 1 01 1	X.WWW				
		Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199	Hobbs, NM (
		EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296	EL Paso, TX	Xenco	Xe
Work Order No:		Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334	Midland, TX (4	Environment Testing	
	(214) 902-0300	Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300	Houston, T)		eurofins
	Cay	1211 C: VSV:	•		

Environment Testing America

1089 N Canal St. Carlsbad NM 88220 Phone 575-988-3199 Fax 575-988-3199 Eurofins Xenco, Carlsbad **Chain of Custody Record** eurofins |

Client Information (Sub Contract Lab)	Sampler			Lab PM Krame	Kramer Jessica				Carrier Tracking No(s)	ing No(s)			COC No: 890-379 1	
Shipping/Receiving	Phone			E-Mail	E-Mail lessica kramer@eurofinset.com	eurofinse	t com	7 (0	State of Origin:	3 5		7 70	Page: Page 1 of 1	
Eurofins Xenco				z &	Accreditations Required (See note). NELAP - Louisiana NELAP :	Required (S	See note). NELAP - Texas	- 1				n S	Job #-	
Address 1211 W Florida Ave	Due Date Requested 9/2/2021						Analys	alvsis Requested	ested			ᆗ	Preservation Codes	ies
City Midland	TAT Requested (days)	/s)			Ass achie	_					-			M Hexane N None
State, Zip: TX, 79701				.,	the set of the state of						A		D Nitric Acid E NaHSO4	P Na2O4S Q Na2SO3
Phone 432-704-5440(Tel)	PO#:				lanaddin d	ie								
Email	#OW			orNo	lo)	Chloric				· · · · · · · · · · · · · · · · · · ·	·····	tenutare e		U Acetone V MCAA
Project Name AJ Adkins Battery#3	Project #: 89000048			(Yes	s or							ecres discussion	K EDTA	W pH 4-5 Z other (specify)
Site	SSOW#:			nple	(Ye							A to break	Other:	
				l Sam	MSD (······································	Andrew Street	Stuer	
		Sample	Sample N Type (v	Matrix (W=water S=solld	form MS/ 5MOD_NM	ORGFM_ B/6036FP						il Numbe		
Sample Identinication - Client ID (Lab ID)	Sample Date	Time		<u></u>	Pe	-						(T∘	Special Ir	Special Instructions/Note
FSO1 (890-1204-1)	8/31/21	12 30 Mountain	St. Control of the Co	Solid	×	×						-)		
								1			+	1		
								$\frac{1}{1}$			-			The second secon
Note. Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC.	laces the ownership o eing analyzed the sar signed Chain of Cus	f method analy notes must be so	/te & accreditation shipped back to th	compliance of Eurofins Xet to Eurofins	ipon out sub nco LLC lab (enco LLC.	contract lat oratory or c	oratories. Ti	nis sample s ons will be p	hipment is rovided. A	forwarded on the changes	under chai to accred	n-of-cu tation s	status should be bro	itory does not currently ນght to Eurofins Xenco LLC
Possible Hazard Identification Unconfirmed					Sample	ple Disposal (A for Return To Client	I (A fee n	hay be as	assessed if san	sample	s are re	taine	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client	1 month)
Deliverable Requested II III IV Other (specify)	Primary Deliverable Rank	ole Rank 2			Special	Special Instructions/QC		Requirements	S					30000
Empty Kit Relinquished by		Date		_	Time	=			Metho	Method of Shipment:	ent:			
Relinquished by We Cut 9.1.21	Date/Time:		Company	oany	Receive	Vedeby	7	3	200	Date/Phage	_ -> <u>\$</u>	a)	<u> </u>	Company
Relinquished by	Date/Time [.]		Company	bany	Received	ved by:				Date/Time:	Time:	67	2	Company
keinduisned by	Date/Time		Company	pany	Recei	Received by:				Date/Time	Time			Company
Custody Seals Infact: Custody Seal No					Coole	r Temperat	Cooler Temperature(s) °C and Other Remarks	Other Ren	arks	اں		U L	6	

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1204-1 SDG Number: 31403551.000

Login Number: 1204 List Source: Eurofins Xenco, Carlsbad

List Number: 1

<6mm (1/4").

Creator: Olivas, Nathaniel

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

G

2

3

4

_

9

11

12

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1204-1 SDG Number: 31403551.000

Login Number: 1204 List Source: Eurofins Xenco, Midland List Number: 2

List Creation: 09/01/21 03:30 PM

Creator: Kramer, Jessica

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1/2.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

Eurofins Xenco, Carlsbad

Released to Imaging: 10/5/2021 9:11:32 AM

<6mm (1/4").

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

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

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

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 47190

CONDITIONS

Operator:	OGRID:
XTO ENERGY, INC	5380
6401 Holiday Hill Road	Action Number:
Midland, TX 79707	47190
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

С	reated	Condition	Condition
В	у		Date
cl	chensley XTO's deferral requests to complete final remediation during any future major construction/alteration or final plugging and abandonment, whichever occurs first is approved. The deferred C-		10/5/2021
		141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	1