wsp

WSP USA

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

May 9, 2022

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

RE: Closure Request
Roadrunner Delivery
Incident Number NAB1818434831
Eddy County, New Mexico

To Whom it May Concern:

WSP USA Inc. (WSP) on behalf of Lucid Energy Delaware, LLC (Lucid) presents the following Closure Request detailing site assessment, excavation, and soil sampling activities at the Roadrunner Delivery (Site) in Unit O, Section 23, Township 24 South, Range 27 East, in Eddy County, New Mexico (Figure 1). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil following the release of pipeline liquid from a Natural Gas line at the Site. Based on the excavation activities and soil sample laboratory analytical results, Lucid is submitting this Closure Request, and requesting no further action (NFA) for Incident Number NAB1818434831.

RELEASE BACKGROUND

On June 19, 2018, a hole in the tank near the load line resulted in the release of approximately 100 bbls pipeline liquid. From the total release volume, 40 bbls of pipeline liquid were recovered. Lucid reported the release to the New Mexico Oil Conservation Division (NMOCD) on a form C-141 on June 19, 2018 and was assigned Incident Number NAB1818434831.

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 less than 50 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth to groundwater data is United States Geological Survey (USGS) well 321000104092501, located approximately 2 miles south of the Site. The groundwater well has a reported depth to groundwater of 27.04 feet bgs and an unreported total depth bgs. The referenced well records are included in Attachment 1. The closest continuously flowing or significant watercourse to the Site is an intermediate stream, located approximately 688 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an



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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 (medium 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

TPH: 100 mg/kg

Chloride: 600 mg/kg

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On February 11, 2022, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Eight boreholes were advanced and collected within the release extent from a depth of 8 feet bgs to assess the lateral extent of impacted soil. Soil from the borehole soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Based on visual observations and, field screening activities, from the eight borehole samples, excavation activities were warranted to remove impacted soil.

EXCAVATION ACTIVITIES AND ANALYTICAL RESULTS

On April 8, 2022 and April 11, 2022, WSP personnel returned to the Site to oversee additional excavation and completion of activities. Based on visual observations and, field screening activities, for the borehole soil samples, delineation and excavation were completed to remove impacted soil in the area surrounding the release extent. Excavation activities were performed using a track hoe. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach® chloride QuanTab® test strips, respectively. The excavation was completed to an approximate depth of 4 to 7-feet bgs.

Following removal of impacted soil, WSP collected 5-point composite soil samples every 200 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples FS01 through FS20 were collected from the floor of the excavation, from a depth of 4ft to 7-feet bgs. Due to the depth of the



District II Page 3

excavation, soil samples were taken for the sidewalls (SW) of the excavation. The excavation sidewall soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 4. Photographic documentation was completed during the Site visits and a photographic log is included in Attachment 3.

Laboratory analytical results for excavation soil samples FS01 through FS20 and SW01-SW04 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 4.

The excavation area measured approximately 3,962 square feet. A total of approximately 980 cubic yards of impacted soil was removed during the excavation activities. The impacted soil was transported and properly disposed of at the Lea Land disposal in Carlsbad, New Mexico. After completion of confirmation sampling, the excavation area is on hold for backfill per NMOCD closure request approval.

CLOSURE REQUEST

Site assessment and excavation activities were conducted at the Site to address the June 19, 2018, release of natural gas pipeline liquid. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the most stringent Table 1 Closure Criteria. Based on the soil sample analytical results, no further remediation was required. Lucid backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions.

Initial response efforts and excavation of impacted soil have mitigated impacts at the Site. No other sensitive receptors were identified near the release extent. WSP and Lucid believe these remedial actions are protective of human health, the environment, and groundwater. As such, Lucid respectfully requests no further action for Incident Number NAB1818434831. A signed C141 closure request is included in Attachment 5.

If you have any questions or comments, please do not hesitate to contact Mr. Travis Casey at (575)-689-5949.

Sincerely,

WSP USA Inc.

Payton Benner

Consultant, Geologist

Travis Casey

Twis L Comp

Sr. Consultant, Environmental Scientist



District II Page 4

cc:

Bureau of Land Management

Attachments:

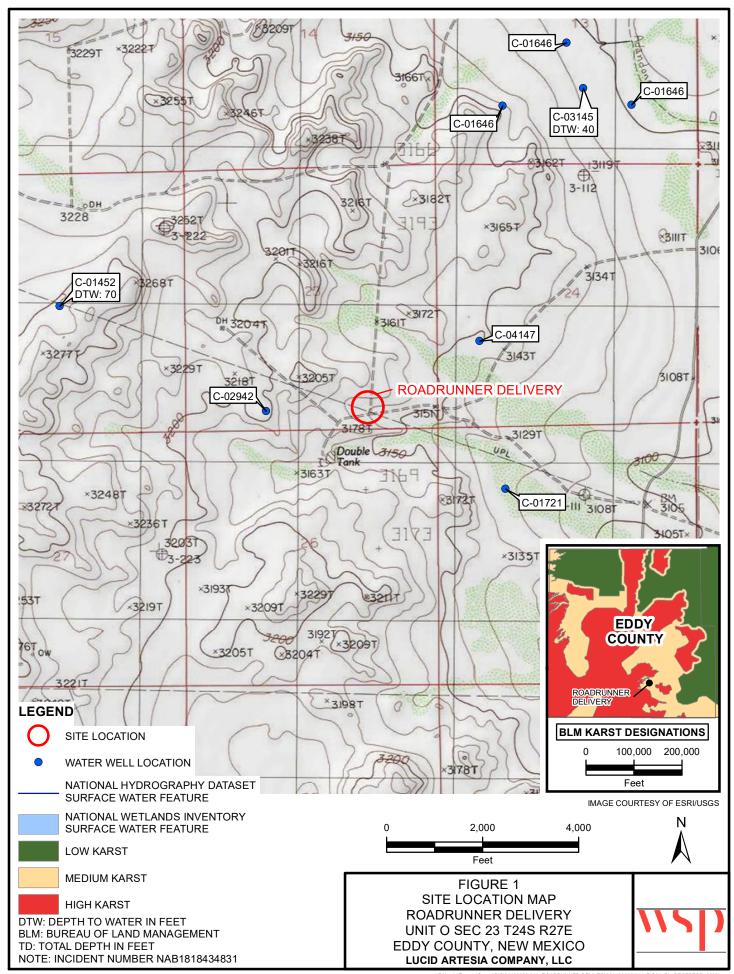
Figure 1 Site Location Map

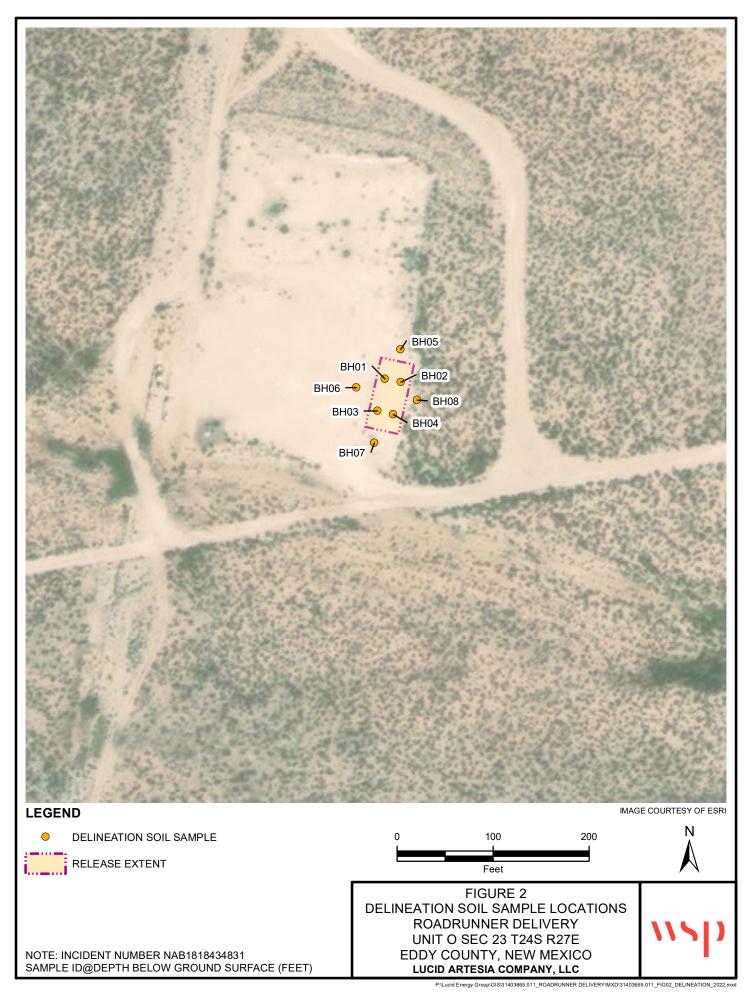
Figure 2 Delineation Soil Sample Locations Figure 3 Excavation Soil Sample Locations

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

Attachment 3 Photographic Log

Attachment 4 Laboratory Analytical Reports





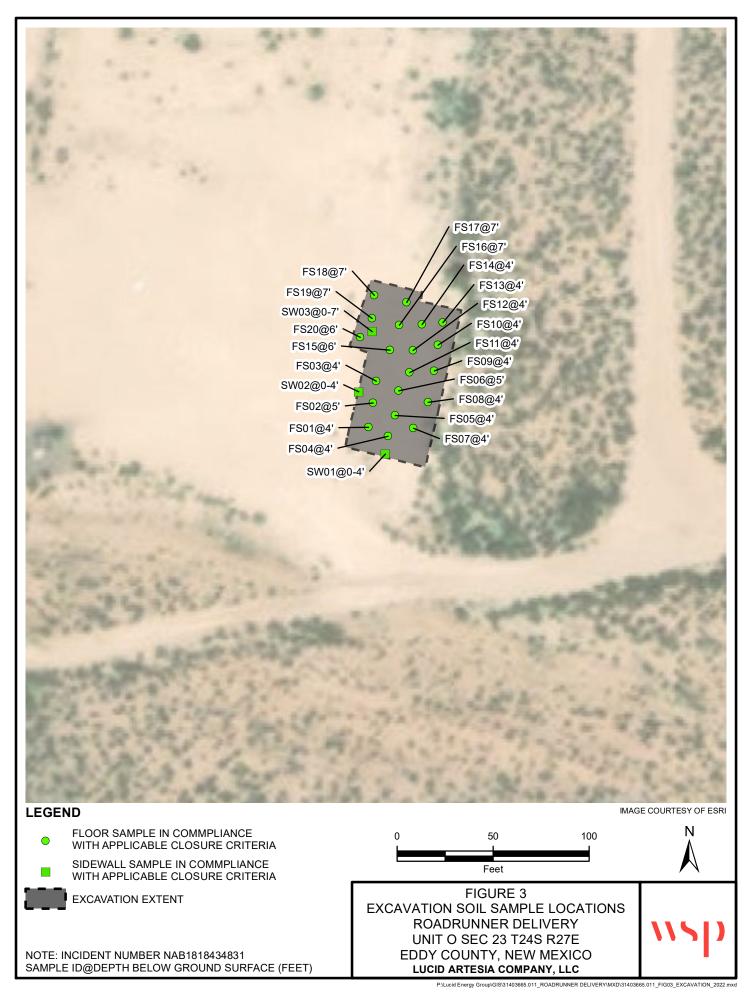


Table 1

Soil Analytical Results
Roadrunner Delivery
Incident Number nAB1818434831
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 C	losure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	NE	100	600
Excavation Floor Sa	amples									
FS01	04/08/2022	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	55.2
FS02	04/08/2022	5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	59.1
FS03	FS03 04/08/2022		<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	22.7
FS04	FS04 04/08/2022		<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	74.3
FS05	04/08/2022	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	46.2
FS06	04/08/2022	5	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	17.2
FS07	04/08/2022	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	32.1
FS08	04/08/2022	4	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	34.2
FS09	04/08/2022	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	59.6
FS10	04/08/2022	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	18.7
FS11	04/08/2022	4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	99.4
FS12	04/08/2022	4	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	158
FS13	04/08/2022	4	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	31.3
FS14	04/08/2022	4	<0.00200	< 0.00399	<49.9	<49.9	<49.9	<49.9	<49.9	342
FS15	04/11/2022	6	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	66.5
FS16	04/11/2022	7	<0.00201	<0.00402	<49.8	<49.8	<49.8	<49.8	<49.8	17.1
FS17	04/11/2022	7	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	<4.99
FS18	FS18 04/11/2022		<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	6.73
FS19 04/11/2022		7	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	<4.97

Table 1

Soil Analytical Results Roadrunner Delivery Incident Number nAB1818434831 Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Clo	sure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	NE	100	600
FS20	04/11/2022	6	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	10.9
Excavation Sidewall	Excavation Sidewall Samples									
SW01	04/11/2022	0-4	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	27.2
SW02	04/11/2022	0-4	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	99.7
SW03	04/11/2022	0-7	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	20.1
SW04	04/11/2022	0-7	<0.00202	<0.00403	<49.9	<49.9	<49.9	<49.9	<49.9	67.7

Notes:

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

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

NE - Not Established

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

Greyed data represents samples that were excavated



New Mexico Office of the State Engineer

Water Right Summary

WR File Number: C 02942

Subbasin: C

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

File/Act

Cause/Case: -

Owner: **Contact:** SAMSON **CORKY GLENN**

Documents on File

Status

From/

Acres Diversion Consumptive

Transaction Desc.

To T

3

EXP EXP C 02942

Current Points of Diversion

Trn#

0

(NAD83 UTM in meters)

POD Number

Well Tag Source 64Q16Q4Sec Tws Rng

Other Location Desc

C 02942

3 4 3 23 24S 27E

578748 3562516*



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, usability, or suitability for any particular purpose of the data.

4/13/22 8:17 AM

WATER RIGHT SUMMARY

Keteased to Imaging: 0/10/2022 11:50:2/ AN



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Tw

POD Number Q64 Q16 Q4 Sec Tws Rng C 02942 3 4 3 23 24S 27E

X Y

578748 3562516*

9

Driller License: Driller Company:

Driller Name:

Drill Start Date:

Log File Date:

Plug Date:

PCW Rev Date:

Source:

Pump Type: Pipe Discharge Size: Estimated Yield: Casing Size: Depth Well: Depth Water:

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

4/26/22 2:28 PM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



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National Water Information System: Web Interface

USGS Water Resources

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

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- Full News 🔊

USGS 321000104092501 25S.27E.02.21122

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

Well Site

DESCRIPTION:

Latitude 32°10'00", Longitude 104°09'25" NAD27

Eddy County, New Mexico , Hydrologic Unit 13060011

Well depth: not determined.

Land surface altitude: 3,164 feet above NAVD88.

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

Well completed in "Castile Formation" (312CSTL) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1978-01-11	1987-10-13	3
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

Accessibility FOIA

Policies and Notices

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

Title: NWIS Site Information for USA: Site Inventory

URL: https://waterdata.usgs.gov/nwis/inventory?agency_code=USGS&site_no=321000104092501

Page Contact Information: New Mexico Water Data Support Team

Privacy

Page Last Modified: 2022-04-13 10:24:59 EDT

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land

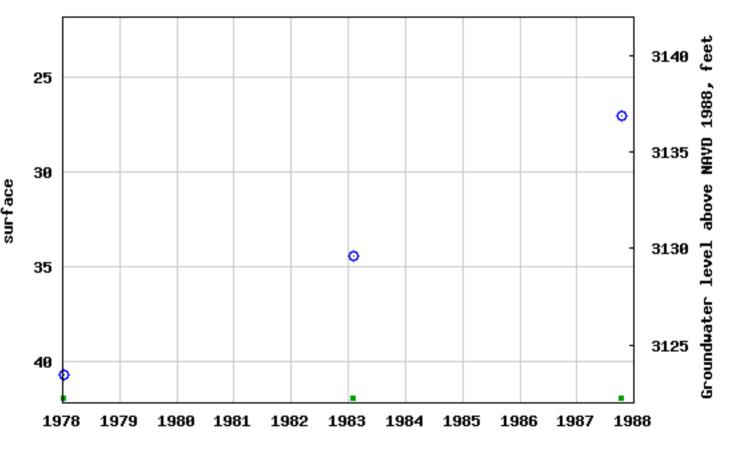
below

level, feet

water

Depth

USGS 321000104092501 25S.27E.02.21122





	PHOTOGRAPHIC LOG										
Lucid Energy Delaware	Roadrunner Delivery Point	NAB1818434831									
	Eddy County, New Mexico										

Photo No. Date
1 April 8, 2022
Photo taken during excavation

activities.



Photo No. Date
2 April 8, 2022
Photo taken during excavation

activities.





	PHOTOGRAPHIC LOG	
Lucid Energy Delaware	Roadrunner Delivery Point	NAB1818434831
	Eddy County, New Mexico	

Photo No. Date

3 April 8, 2022

Photo taken during excavation activities.



Photo No. Date
4 April 8, 2022

Photo taken during excavation activities.



Received by Oc

"by OCD. S.											
\\'	7)	Ę Car	08 West S	P USA Stevens S w Mexico	Street) 88220	RP or I	Incident I	Number:NAB18184	34831	
	LITH	OLOG	IC / SOIL	SAMPL	ING LO	G			TC	Method; Hand Auger	
ng: 32.196	740,-104	.15759	3				Hole D	iameter:	3"	Total Depth: 8'	
nents:	all chlori	de field	screenings			actor of 4)%				
Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depin	USCS/Rock Symbol			Lithology/	Remarks	
D 448 630 Y BH01 1' 1 GP/GM Poorly graded gravel/caliche with, sand and silt, strong of CH light staining, tan brown color, dry.										nd and silt, strong odor,	
268	682	Υ		2'	2	GP/GM CH	SAA				
168	549	Υ		4' <u>-</u>	_ _ 4' _	GP/GM CH	SAA but mode	rate od	or, brown color		
<168	310	Υ		6'	6'	GP/GM CH	SAA				
<130	302	Υ		8' <u>-</u>	8	GP/GM CH	SAA				
	nents: Output (mdd) 448 268 168	LITHO Ing: 32.196740,-104 Inents: all chlorid (hents: all chlorid (hents) (hen	ents: all chloride field (bul) A48 630 Y 268 682 Y 168 310 Y 448 630 Y	Car Car	Carlsbad, Ne Carl	LITHOLOGIC / SOIL SAMPLING LO Ing: 32.196740,-104.157593 Field Screening: Chloride, PID The private of the series of the seri	Carlsbad, New Mexico 88220 Carlsbad, New Mexico 88220	LITHOLOGIC / SOIL SAMPLING LOG Logger Ing: 32.196740,-104.157593 Field Screening: Chloride, PID Inents: all chloride field screenings contain a correction factor of 40% Sample Depth (ft bgs) Depth (ft bgs) O II O A48 630 Y BH01 1' 1 GP/GM Poorly graded light staining, to the staining of	LITHOLOGIC / SOIL SAMPLING LOG Logged By: Field Screening: Chloride, PID Piod Depth (ft bgs) O Depth (ft bgs) Por Incident I WSP Job Numb Chloride, PID Depth (ft bgs) O Depth (ft bgs)	Site Name: Site Name: AB18184 WSP Job Number: AB	RP or Incident Number (AB1818434831 WSP Job Number: 31403665.01

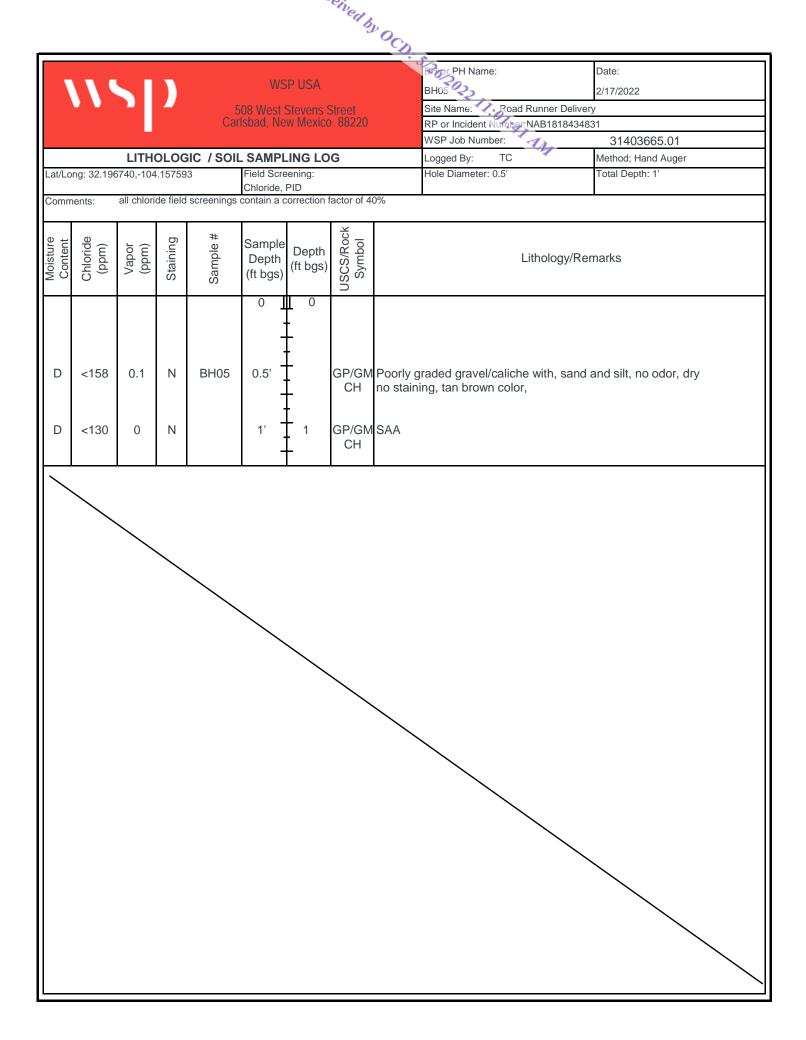
									BH or PH Name):	Date:
					WS	P USA			BH02		2/17/2022
	17										
				5 Con	08 West S Isbad, Ne	Stevens S	Street		Site Name:	Road Runner Delive	
				Car	isbau, ive	w iviexico	88220			lumber:NAB18184348	
									WSP Job Numb	er:	31403665.01
		LITH	OLOG	SIC / SOIL	SAMPL	ING LO	G		Logged By:	TC	Method; Hand Auger
Lat/Lo	ng: 32.196	3740,-104	1.15759	13	Field Scre				Hole Diameter:	3"	Total Depth: 8'
					Chloride,						
Comm	nents:	all chlori	de field	screenings	contain a c	orrection t	actor of 40)%			
		I		l	1						
e =	Φ		D	#	Sample		ock o				
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D	504	628	Υ	BH02	1'	1	GP/GM	Poorly gi	raded gravel/d	caliche with, sand	and silt, strong odor,
					_	L	CH	light stair	ning, tan brow	vn color, dry.	
						-					
	050	074	\ \				OD/OM	0 4 4			
D	352	674	Υ		2'	2	GP/GM CH	SAA			
					-	_	СН				
					-	_					
D	235	537	Υ		4'	4'	GP/GM	SAA but	medium odor	r, brown color	
	200	007	'		-		CH	O/ I/ C Dat	mediam odoi	, brown color	
					-	_	011				
					-	-					
D	168	287	Υ		6'	6'	GP/GM	SAA			
					-		CH				
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D	<130	286	Υ		8'	8	GP/GM	SAA			
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Comments: all chloride field screenings contain a correction factor of 40%

╟	-					1	ı		
	Moisture	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bas)	USCS/Rock Symbol	Lithology/Remarks
II						0	0		
						- - -	- - -		
	D	750	10.7	Υ	BH03	1' -	1		Poorly graded gravel/caliche with, sand and silt, strong odor, light staining, tan brownish color, dry.
	D	<168	6	Υ		2'	2	GP/GM CH	SAA
	D	<168	5	Υ		4'	4'		Poorly graded gravel with sand and silt, dry, medium odor, lighter staining, brown color.
	D	168	3.3	Υ		6' <u>-</u>	6'	GP/GM	SAA
	D	<168	2.5	Υ		8'	8	GP/GM	SAA but light odor

BH or PH Name: Date: BH04 2/17/2022 508 West Stevens Street Carlsbad, New Mexico 88220 Site Name: Road Runner Delivery RP or Incident Number:NAB1818434831 WSP Job Number: 31403665.01 LITHOLOGIC / SOIL SAMPLING LOG Logged By: Method; Hand Auger Field Screening: Hole Diameter: 3" Total Depth: 8' Lat/Long: 32.196740,-104.157593 Chloride, PID Comments: all chloride field screenings contain a correction factor of 40% USCS/Rock Symbol Staining Chloride (ppm) Sample # Sample Vapor (ppm) Depth Lithology/Remarks Depth (ft bgs) (ft bgs) 0 1 GP/GM Poorly graded gravel/caliche with sand and silt, strong/medium odor, D <168 15.9 Υ BH04 1' odor, light staining, tan brownish color, dry. GP/GM SAA D <168 6 Υ 2' 2 CH D Υ GP/GM Poorly graded gravel with sand and silt, dry, light odor, light to no <158 4 4' 4' CH staining, brown color. GP/GM SAA but no odor no staining. D <158 2.4 Ν 6' 6' D <158 8 GP/GM SAA. 2.1 Ν 8'



		В	BH or PH Name:	Date:					
	WSP USA		3H06	2/17/2022					
1151	500.1111.61	_							
	508 West Stevens St Carlsbad, New Mexico	88220 S	Site Name: Road Runner Delive						
	Cansbau, New Mexico	_	RP or Incident Number:NAB1818434						
1171161			WSP Job Number:	31403665.01					
	OGIC / SOIL SAMPLING LOG		Logged By: TC	Method; Hand Auger					
Lat/Long: 32.196740,-104.157	7593 Field Screening: Chloride, PID	-	Hole Diameter: 0.5'	Total Depth: 1'					
Comments: all chloride fi	eld screenings contain a correction fac	ctor of 40%							
Moisture Content Chloride (ppm) Vapor (ppm)	 	USCS/Rock Symbol	Lithology/Remarks						
D <130 0.1 N		GP/GM Poorly gra CH no stainin GP/GM SAA CH	aded gravel/caliche with, sand g, tan brown color,	l and silt, no odor, dry					

							В	BH or PH Nan	ne:		Date:	
		7		WS	P USA			3H07			2/17/2022	
	5			00.144		21	_		Dead			
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1 (1)			IC / SOIL			G		ogged By:	TC		Method; Hand Aug	ger
Lat/Long: 32.	196/40,-104	1.15759	3	Field Scre Chloride, I			F	lole Diameter	T. U.5		Total Depth: 1'	
Comments:	all chlori	de field	screenings			factor of 4	0%					
Moisture Content Chloride	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	(ft bgs)	USCS/Rock Symbol			Lit	thology/Ren	narks	
D <13		N	BH07	0]	0	GP/GM CH GP/GM CH	no stainin	aded grave g, tan brow	l/caliche /n color,	with, sand a	and silt, no odor	, dry

					MC	DIICA			BH or PH Na	ıme:		Date:	
1					VVS	P USA			BH08			2/17/2022	
	V V		-	5	08 West S Isbad, Ne	Stevens S	Street		Site Name:	Road	Runner Deliver	/	
				Car	Isbad, Ne	w Mexico	88220				:NAB181843483		
									WSP Job Nu			31403665.01	
				IC / SOIL			G		Logged By:	TC		Method; Hand Auger	
Lat/L	ong: 32.196	6740,-104	.15759	3	Field Scre				Hole Diamet	er: 0.5'		Total Depth: 1'	
Comi	ments:	all chloric	de field	screenings	Chloride,	orrection f	factor of 4	0%					
00				3-									
Moisture Content Chloride (ppm) Vapor (ppm) Staining Sample # Chloride (ppm) Staining Sample # Chloride (ppm) Vapor (ppm) Staining Sample # Chloride (ppm) Staining Sample # Chloride									Lithology/Remarks				
D	D <130 0.1 N BH08 0.5' T GP/GM Poorly								Poorly graded gravel/caliche with, sand and silt, no odor, dry no staining, tan brown color,				
D													



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2180-1

Laboratory Sample Delivery Group: 31403665.011 task 02

Client Project/Site: Road Runner Delivery

For:

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

Attn: Travis Casey

JURAMER

Authorized for release by: 4/18/2022 1:28:26 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

.....LINKS

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Released to Imaging: 6/16/2022 11:36:27 AM

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

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

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Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Laboratory Job ID: 890-2180-1

SDG: 31403665.011 task 02

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-2180-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits. 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 MLMinimum Level (Dioxin) Most Probable Number MPN MQL Method Quantitation Limit

Not Calculated NC

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

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)

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

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

TNTC Too Numerous To Count

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Case Narrative

Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Job ID: 890-2180-1

SDG: 31403665.011 task 02

Job ID: 890-2180-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2180-1

Receipt

The samples were received on 4/11/2022 11:01 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 5.6°C

GC VOA

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

GC Semi VOA

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-23395 and analytical batch 880-23429 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

Client Sample Results

Client: WSP USA Inc.

Job ID: 890-2180-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

Client Sample ID: FS01

Lab Sample ID: 890-2180-1

Date Collected: 04/08/22 12:50 Date Received: 04/11/22 11:01

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 08:26	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 08:26	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 08:26	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/12/22 14:17	04/13/22 08:26	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 08:26	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/12/22 14:17	04/13/22 08:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	72		70 - 130			04/12/22 14:17	04/13/22 08:26	1
1,4-Difluorobenzene (Surr)	81		70 - 130			04/12/22 14:17	04/13/22 08:26	1
- Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/13/22 10:18	1
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 04/14/22 14:43	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			04/14/22 14:43	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9	mg/Kg		04/12/22 13:16	04/13/22 11:28	1
(GKU)-C0-C10								
Diesel Range Organics (Over	<49.9	U F1	49.9	mg/Kg		04/12/22 13:16	04/13/22 11:28	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9 <49.9		49.9 49.9	mg/Kg mg/Kg		04/12/22 13:16 04/12/22 13:16	04/13/22 11:28 04/13/22 11:28	1
Diesel Range Organics (Over C10-C28)		U		0 0				1
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.9	U	49.9	0 0		04/12/22 13:16	04/13/22 11:28	·
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9 %Recovery	U	49.9	0 0		04/12/22 13:16 Prepared	04/13/22 11:28 Analyzed	1 Dil Fac
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 **Recovery 90 107	U Qualifier	49.9 Limits 70 - 130	0 0		04/12/22 13:16 Prepared 04/12/22 13:16	04/13/22 11:28 Analyzed 04/13/22 11:28	1 Dil Fac
Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.9 **Recovery 90 107 pomatography -	U Qualifier	49.9 Limits 70 - 130	0 0	D	04/12/22 13:16 Prepared 04/12/22 13:16	04/13/22 11:28 Analyzed 04/13/22 11:28	1 Dil Fac

Client Sample ID: FS02 Lab Sample ID: 890-2180-2

Date Collected: 04/08/22 13:45 Date Received: 04/11/22 11:01

Sample Depth: 5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 08:53	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 08:53	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 08:53	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/12/22 14:17	04/13/22 08:53	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 08:53	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/12/22 14:17	04/13/22 08:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			04/12/22 14:17	04/13/22 08:53	1

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Matrix: Solid

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4/40/2022

Client: WSP USA Inc.

Job ID: 890-2180-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: FS02 Lab Sample ID: 890-2180-2 Matrix: Solid

Date Collected: 04/08/22 13:45 Date Received: 04/11/22 11:01

Sample Depth: 5

Method: 8021B - Volatile O	rganic Compou	nds (GC)	(Continued)
Michiga: OUL 1B Volume C	i gaino compou	1145 (55)	(Goillinaca)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	87	70 - 130	04/12/22 14:17	04/13/22 08:53	1

N 0 - 41 1 -	T - 4 - 1	DTEV	T-4-1	DTEV	0-11-41
wetnoa:	iotai	RIFY -	- Iotai	RIFY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/13/22 10:18	1

ı		
ı	Method: 8015 NM - Diesel Range Organics (DRO)	(CC)
ı	Method. 0013 NM - Diesel Kange Organics (DRO)	(00)

Analyte	Result Qu	ualifier RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			04/14/22 14:43	1

Method: 8015B NM - Diese	I Range Organics (D	RO) (GC)
--------------------------	---------------------	----------

Analyte		Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10		<50.0	U	50.0	mg/Kg	_	04/12/22 13:16	04/13/22 12:31	1
Diesel Range Organics (Or C10-C28)	ver	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 12:31	1
Oll Range Organics (Over	C28-C36)	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 12:31	1
Surrogate	9	6Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	76Recovery Qualifier	LIIIIIIS	rrepareu	Allalyzeu	DII Fac
1-Chlorooctane	105	70 - 130	04/12/22 13:16	04/13/22 12:31	1
o-Terphenyl	124	70 - 130	04/12/22 13:16	04/13/22 12:31	1
_					

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.1	5.05	mg/Kg			04/16/22 16:19	1

Client Sample ID: FS03 Lab Sample ID: 890-2180-3 Matrix: Solid

Date Collected: 04/08/22 12:45 Date Received: 04/11/22 11:01

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

metriod: 002 TB - Volatile Organic Compounds (CO)							
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200	mg/Kg		04/12/22 14:17	04/13/22 09:20	1
<0.00200	U	0.00200	mg/Kg		04/12/22 14:17	04/13/22 09:20	1
<0.00200	U	0.00200	mg/Kg		04/12/22 14:17	04/13/22 09:20	1
<0.00399	U	0.00399	mg/Kg		04/12/22 14:17	04/13/22 09:20	1
<0.00200	U	0.00200	mg/Kg		04/12/22 14:17	04/13/22 09:20	1
<0.00399	U	0.00399	mg/Kg		04/12/22 14:17	04/13/22 09:20	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
110		70 - 130			04/12/22 14:17	04/13/22 09:20	1
92		70 - 130			04/12/22 14:17	04/13/22 09:20	1
	Result <0.00200 <0.00200 <0.00200 <0.00200 <0.00399 <0.00200 <0.00399 <0.00399 <0.00200 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399 <0.00399	Result Qualifier	Result Qualifier RL	Result Qualifier RL Unit <0.00200	Result Qualifier RL Unit D <0.00200	Result Qualifier RL Unit D Prepared <0.00200 U	Result Qualifier RL Unit mg/Kg D Prepared 04/12/22 14:17 Analyzed 04/13/22 09:20 <0.00200 U

ı						
ı	Mothod	Total	DTEV	Total	DTEV	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399	ma/Ka			04/13/22 10:18	1

	Method: 8015 NM - Diesel	Range Organics (DRO) (GC)
ı	Michiga. 00 to Min - Diese	i italige Organics (Dito	, (00)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			04/14/22 14:43	1

Eurofins Carlsbad

Client: WSP USA Inc. Job ID: 890-2180-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: FS03

Lab Sample ID: 890-2180-3 Date Collected: 04/08/22 12:45 Matrix: Solid Date Received: 04/11/22 11:01

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 12:51	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 12:51	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 12:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			04/12/22 13:16	04/13/22 12:51	1
o-Terphenyl	105		70 - 130			04/12/22 13:16	04/13/22 12:51	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: FS04 Lab Sample ID: 890-2180-4 Date Collected: 04/08/22 12:50 **Matrix: Solid**

Date Received: 04/11/22 11:01

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 09:46	1
Toluene	< 0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 09:46	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 09:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/12/22 14:17	04/13/22 09:46	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 09:46	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/12/22 14:17	04/13/22 09:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130			04/12/22 14:17	04/13/22 09:46	1
1,4-Difluorobenzene (Surr)	88		70 - 130			04/12/22 14:17	04/13/22 09:46	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/13/22 10:18	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			04/14/22 14:43	1
Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 13:12	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 13:12	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 13:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			04/12/22 13:16	04/13/22 13:12	1
o-Terphenyl	105		70 - 130			04/12/22 13:16	04/13/22 13:12	1

Lab Sample ID: 890-2180-4

Client Sample Results

Client: WSP USA Inc. Job ID: 890-2180-1

Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Date Collected: 04/08/22 12:50 Date Received: 04/11/22 11:01

Sample Depth: 4

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	74.3		4.99	mg/Kg			04/16/22 16:44	1

Client Sample ID: FS05 Lab Sample ID: 890-2180-5 Matrix: Solid

Date Collected: 04/08/22 12:55 Date Received: 04/11/22 11:01

Client Sample ID: FS04

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		04/12/22 14:17	04/13/22 10:13	1
Toluene	<0.00201	U	0.00201	mg/Kg		04/12/22 14:17	04/13/22 10:13	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/12/22 14:17	04/13/22 10:13	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		04/12/22 14:17	04/13/22 10:13	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/12/22 14:17	04/13/22 10:13	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/12/22 14:17	04/13/22 10:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			04/12/22 14:17	04/13/22 10:13	1
1,4-Difluorobenzene (Surr)	89		70 - 130			04/12/22 14:17	04/13/22 10:13	1
· Method: Total BTEX - Total BTE)	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			04/13/22 10:18	1
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9	mg/Kg	<u>D</u>	Prepared	Analyzed 04/14/22 14:43	Dil Fac
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/12/22 13:16	04/13/22 13:33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/12/22 13:16	04/13/22 13:33	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/12/22 13:16	04/13/22 13:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			04/12/22 13:16	04/13/22 13:33	1
o-Terphenyl	105		70 - 130			04/12/22 13:16	04/13/22 13:33	1
Method: 300.0 - Anions, Ion Chro								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46.2		5.00	mg/Kg			04/16/22 17:03	1

Lab Sample ID: 890-2180-6

Client Sample Results

Client: WSP USA Inc.

Job ID: 890-2180-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

Client Sample ID: FS06

Date Collected: 04/08/22 13:50 Date Received: 04/11/22 11:01

Sample Depth: 5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		04/12/22 14:17	04/13/22 10:40	1
Toluene	<0.00201	U	0.00201	mg/Kg		04/12/22 14:17	04/13/22 10:40	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/12/22 14:17	04/13/22 10:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		04/12/22 14:17	04/13/22 10:40	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/12/22 14:17	04/13/22 10:40	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/12/22 14:17	04/13/22 10:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130			04/12/22 14:17	04/13/22 10:40	1
1,4-Difluorobenzene (Surr)	87		70 - 130			04/12/22 14:17	04/13/22 10:40	1
- Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			04/13/22 10:18	1
Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9	Unit mg/Kg	D	Prepared	Analyzed 04/14/22 14:43	Dil Fac
Total TPH					— Б	Prepared		DII Fac
Mathada 0045D NM - Disaal Daw	O	DO) (OO)						
Method: 8015B NM - Diesel Rang Analyte	•	Qualifier	RL	Unit	D	Dropored	Analyzed	Dil Fac
			49.9	mg/Kg		Prepared 04/12/22 13:16	Analyzed 04/13/22 13:53	1
Gasoline Range Organics (GRO)-C6-C10	\49.9	U	49.9	mg/Kg		04/12/22 13.10	04/13/22 13.53	'
,	<49.9		40.0			04/12/22 13:16	04/13/22 13:53	
Diesei Kange Organics (Over	~49.9	U	49.9	mg/Kg			04/13/22 13.33	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/12/22 10:10	04/13/22 13.33	1
	<49.9		49.9 49.9	mg/Kg mg/Kg		04/12/22 13:16	04/13/22 13:53	1
C10-C28) Oll Range Organics (Over C28-C36)		U						
C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.9	U	49.9			04/12/22 13:16	04/13/22 13:53	1
C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 %Recovery	U	49.9			04/12/22 13:16 Prepared	04/13/22 13:53 Analyzed	1 Dil Fac
C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<49.9 **Recovery 86 104	U Qualifier	49.9 Limits 70 - 130			04/12/22 13:16 Prepared 04/12/22 13:16	04/13/22 13:53 Analyzed 04/13/22 13:53	1 Dil Fac
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.9 **Recovery 86 104 omatography -	U Qualifier	49.9 Limits 70 - 130		D	04/12/22 13:16 Prepared 04/12/22 13:16	04/13/22 13:53 Analyzed 04/13/22 13:53	1 Dil Fac

Client Sample ID: FS07

Date Collected: 04/08/22 14:10 Date Received: 04/11/22 11:01

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 11:07	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 11:07	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 11:07	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/12/22 14:17	04/13/22 11:07	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 11:07	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/12/22 14:17	04/13/22 11:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			04/12/22 14:17	04/13/22 11:07	1

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Lab Sample ID: 890-2180-7

Matrix: Solid

Client: WSP USA Inc.

Job ID: 890-2180-1

Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: FS07 Lab Sample ID: 890-2180-7 Date Collected: 04/08/22 14:10 Matrix: Solid

Date Received: 04/11/22 11:01

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds	(GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	90	70 - 130	04/12/22 14:17	04/13/22 11:07	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/13/22 10:18	1

Mothod: 8015 NM - Diccol	Pango Organice (DPO) (CC)	

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	ma/Ka			04/14/22 14:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 14:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 14:14	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 14:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88	70 - 130	04/12/22 13:16	04/13/22 14:14	1
o-Terphenyl	104	70 - 130	04/12/22 13:16	04/13/22 14:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.1		4.96	mg/Kg			04/16/22 17:16	1

Client Sample ID: FS08 Lab Sample ID: 890-2180-8

Date Collected: 04/08/22 14:15 Date Received: 04/11/22 11:01

Sample Depth: 4

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/12/22 14:17	04/13/22 11:33	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/12/22 14:17	04/13/22 11:33	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/12/22 14:17	04/13/22 11:33	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/12/22 14:17	04/13/22 11:33	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/12/22 14:17	04/13/22 11:33	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/12/22 14:17	04/13/22 11:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130			04/12/22 14:17	04/13/22 11:33	1
1,4-Difluorobenzene (Surr)	98		70 - 130			04/12/22 14:17	04/13/22 11:33	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00399	U	0.00399	ma/Ka			04/13/22 10:18	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC	Method: 8015 NM -	- Diesel Range	Organics (DRO)	(GC
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Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 U	50.0	mg/Kg			04/14/22 14:43	1

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Matrix: Solid

Client: WSP USA Inc. Job ID: 890-2180-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: FS08

Lab Sample ID: 890-2180-8 Date Collected: 04/08/22 14:15 Date Received: 04/11/22 11:01

Sample Depth: 4

Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 14:35	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 14:35	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 14:35	,
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130			04/12/22 13:16	04/13/22 14:35	
o-Terphenyl	103		70 - 130			04/12/22 13:16	04/13/22 14:35	1
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.2		5.00	mg/Kg			04/16/22 17:22	1

Client Sample ID: FS09 Lab Sample ID: 890-2180-9 Date Collected: 04/08/22 14:20 Matrix: Solid

Date Received: 04/11/22 11:01

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 12:00	1
Toluene	< 0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 12:00	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 12:00	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/12/22 14:17	04/13/22 12:00	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 12:00	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/12/22 14:17	04/13/22 12:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130			04/12/22 14:17	04/13/22 12:00	1
1,4-Difluorobenzene (Surr)	89		70 - 130			04/12/22 14:17	04/13/22 12:00	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/13/22 10:18	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			04/14/22 14:43	1
Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 14:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 14:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 14:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			04/12/22 13:16	04/13/22 14:55	1
o-Terphenyl	117		70 - 130			04/12/22 13:16	04/13/22 14:55	1

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Client: WSP USA Inc.

Job ID: 890-2180-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

Plient Sample ID: 5000

Client Sample ID: FS09

Date Collected: 04/08/22 14:20

Lab Sample ID: 890-2180-9

Matrix: Solid

Date Received: 04/11/22 11:01

Sample Depth: 4

Method: 300.0 - Anions	s, Ion Chromatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	59.6		4.95	mg/Kg			04/16/22 17:29	1

Client Sample ID: FS10

Date Collected: 04/08/22 14:25

Lab Sample ID: 890-2180-10

Matrix: Solid

Date Collected: 04/08/22 14:25 Date Received: 04/11/22 11:01

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 12:27	
Toluene	< 0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 12:27	
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 12:27	
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/12/22 14:17	04/13/22 12:27	
o-Xylene	< 0.00199	U	0.00199	mg/Kg		04/12/22 14:17	04/13/22 12:27	
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/12/22 14:17	04/13/22 12:27	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	120		70 - 130			04/12/22 14:17	04/13/22 12:27	
1,4-Difluorobenzene (Surr)	92		70 - 130			04/12/22 14:17	04/13/22 12:27	
Method: Total BTEX - Total BTE)	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/13/22 10:18	
Method: 8015 NM - Diesel Range	e Organics (DR	O) (GC)						
Method: 8015 NM - Diesel Range Analyte	e Organics (DR Result	O) (GC) Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH	e Organics (DR Result <50.0	O) (GC) Qualifier			<u>D</u>	Prepared		Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang	e Organics (DR Result <50.0	O) (GC) Qualifier U	RL	Unit mg/Kg			Analyzed 04/14/22 14:43	
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte	e Organics (DR Result <50.0 ge Organics (D Result	Qualifier U RO) (GC) Qualifier		Unit mg/Kg	<u>D</u>	Prepared	Analyzed 04/14/22 14:43 Analyzed	
Method: 8015 NM - Diesel Range Analyte	e Organics (DR Result <50.0	Qualifier U RO) (GC) Qualifier	RL	Unit mg/Kg			Analyzed 04/14/22 14:43	
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	e Organics (DR Result <50.0 ge Organics (D Result	Qualifier U RO) (GC) Qualifier U Qualifier U		Unit mg/Kg		Prepared	Analyzed 04/14/22 14:43 Analyzed	
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	e Organics (DR Result <50.0 ge Organics (D Result <50.0	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 04/12/22 13:16	Analyzed 04/14/22 14:43 Analyzed 04/13/22 15:16	
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics	e Organics (DR Result <50.0 ge Organics (D Result <50.0 <50.0	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 04/12/22 13:16 04/12/22 13:16	Analyzed 04/14/22 14:43 Analyzed 04/13/22 15:16 04/13/22 15:16	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	e Organics (DR Result <50.0 ge Organics (D Result <50.0 <50.0 <50.0	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0 RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 04/12/22 13:16 04/12/22 13:16 04/12/22 13:16	Analyzed 04/14/22 14:43 Analyzed 04/13/22 15:16 04/13/22 15:16 04/13/22 15:16	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	e Organics (DR Result <50.0 ge Organics (D Result <50.0 <50.0 <50.0 %Recovery	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0 RL 50.0 50.0 50.0 Limits	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 04/12/22 13:16 04/12/22 13:16 04/12/22 13:16 Prepared	Analyzed 04/14/22 14:43 Analyzed 04/13/22 15:16 04/13/22 15:16 04/13/22 15:16 Analyzed	Dil Fa
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	e Organics (DR Result <50.0 ge Organics (D Result <50.0 <50.0 <50.0 %Recovery 84 99	Qualifier U RO) (GC) Qualifier U U U Qualifier	RL 50.0 RL 50.0 50.0 50.0 Limits 70 - 130	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 04/12/22 13:16 04/12/22 13:16 04/12/22 13:16 Prepared 04/12/22 13:16	Analyzed 04/14/22 14:43 Analyzed 04/13/22 15:16 04/13/22 15:16 Analyzed 04/13/22 15:16	Dil Fa

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04/16/22 17:35

4.95

mg/Kg

18.7

2

2

4

J

7

9

11

3

-

Chloride

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-2180-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
_ab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-2179-A-1-B MS	Matrix Spike	100	97	
390-2179-A-1-C MSD	Matrix Spike Duplicate	108	86	
390-2180-1	FS01	72	81	
390-2180-2	FS02	110	87	
390-2180-3	FS03	110	92	
390-2180-4	FS04	109	88	
390-2180-5	FS05	115	89	
390-2180-6	FS06	102	87	
390-2180-7	FS07	114	90	
390-2180-8	FS08	110	98	
390-2180-9	FS09	107	89	
390-2180-10	FS10	120	92	
_CS 880-23396/1-A	Lab Control Sample	104	101	
_CSD 880-23396/2-A	Lab Control Sample Dup	100	96	
MB 880-23326/5-A	Method Blank	73	86	
	Method Blank	76	79	

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
390-2180-1	FS01	90	107	
390-2180-1 MS	FS01	81	89	
390-2180-1 MSD	FS01	80	90	
390-2180-2	FS02	105	124	
390-2180-3	FS03	88	105	
390-2180-4	FS04	88	105	
390-2180-5	FS05	88	105	
390-2180-6	FS06	86	104	
390-2180-7	FS07	88	104	
390-2180-8	FS08	88	103	
890-2180-9	FS09	97	117	
890-2180-10	FS10	84	99	

OTPH = o-Terphenyl

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO2	OTPH2	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
LCS 880-23395/2-A	Lab Control Sample	99	119	

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Prep Type: Total/NA

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-2180-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Re
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)	
LCSD 880-23395/3-A	Lab Control Sample Dup	100	118	
MB 880-23395/1-A	Method Blank	91	109	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

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2

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5

8

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Client: WSP USA Inc. Job ID: 890-2180-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-23326/5-A

Matrix: Solid Analysis Batch: 23363

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

Prep Batch: 23326

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/11/22 16:58	04/12/22 12:36	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/11/22 16:58	04/12/22 12:36	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/11/22 16:58	04/12/22 12:36	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/11/22 16:58	04/12/22 12:36	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/11/22 16:58	04/12/22 12:36	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/11/22 16:58	04/12/22 12:36	1

MB MB

MR MR

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	04/11/22 16:58	04/12/22 12:36	1
1,4-Difluorobenzene (Surr)	86		70 - 130	04/11/22 16:58	3 04/12/22 12:36	1

Lab Sample ID: MB 880-23396/5-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA

Prep Batch: 23396 **Analysis Batch: 23363**

MR MR Analyte Result Qualifier RL Unit Prepared Analyzed Dil Fac Benzene <0.00200 U 0.00200 mg/Kg 04/12/22 14:17 04/13/22 02:16 Toluene <0.00200 U 0.00200 mg/Kg 04/12/22 14:17 04/13/22 02:16 Ethylbenzene <0.00200 U 0.00200 mg/Kg 04/12/22 14:17 04/13/22 02:16 04/13/22 02:16 m-Xylene & p-Xylene <0.00400 U 0.00400 mg/Kg 04/12/22 14:17 <0.00200 U 04/13/22 02:16 o-Xylene 0.00200 mg/Kg 04/12/22 14:17 Xylenes, Total <0.00400 U 0.00400 04/12/22 14:17 04/13/22 02:16 mg/Kg

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	76		70 - 130	04/12/22 14:17	04/13/22 02:16	1
1,4-Difluorobenzene (Surr)	79		70 - 130	04/12/22 14:17	04/13/22 02:16	1

Lab Sample ID: LCS 880-23396/1-A **Client Sample ID: Lab Control Sample** Matrix: Solid Prep Type: Total/NA

Analysis Batch: 23363

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08635		mg/Kg		86	70 - 130	
Toluene	0.100	0.09348		mg/Kg		93	70 - 130	
Ethylbenzene	0.100	0.08788		mg/Kg		88	70 - 130	
m-Xylene & p-Xylene	0.200	0.1856		mg/Kg		93	70 - 130	
o-Xylene	0.100	0.09659		mg/Kg		97	70 - 130	

LCS LCS

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

Lab Sample ID: LCSD 880-23396/2-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Prep Type: Total/NA **Analysis Batch: 23363** Prep Batch: 23396

Spike LCSD LCSD RPD %Rec Result Qualifier Analyte Added Unit %Rec Limits RPD Limit Benzene 0.100 0.07834 mg/Kg 78 70 - 130 10

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Prep Batch: 23396

4/18/2022

Client: WSP USA Inc.

Job ID: 890-2180-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

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

Lab Sample ID: LCSD 880-23396/2-A

Matrix: Solid Analysis Batch: 23363 Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 23396

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene	0.100	0.08179		mg/Kg		82	70 - 130	13	35
Ethylbenzene	0.100	0.08438		mg/Kg		84	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.1702		mg/Kg		85	70 - 130	9	35
o-Xylene	0.100	0.08634		mg/Kg		86	70 - 130	11	35

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: 890-2179-A-1-B MS

Matrix: Solid

Analysis Batch: 23363

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 23396

	Sample	Spike	IVIS	MS				%Rec
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
<0.00200	U	0.0998	0.08237		mg/Kg		83	70 - 130
<0.00200	U	0.0998	0.08510		mg/Kg		84	70 - 130
<0.00200	U	0.0998	0.07691		mg/Kg		77	70 - 130
0.0110		0.200	0.1679		mg/Kg		79	70 - 130
0.0102		0.0998	0.08103		mg/Kg		71	70 - 130
	<0.00200 <0.00200 <0.00200 0.0110		<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	100	70 - 130
1,4-Difluorobenzene (Surr)	97	70 - 130

Lab Sample ID: 890-2179-A-1-C MSD

Matrix: Solid

Analysis Batch: 23363

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 23396

_	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.100	0.1022		mg/Kg		102	70 - 130	21	35
Toluene	<0.00200	U	0.100	0.1089		mg/Kg		108	70 - 130	25	35
Ethylbenzene	<0.00200	U	0.100	0.09425		mg/Kg		94	70 - 130	20	35
m-Xylene & p-Xylene	0.0110		0.200	0.2063		mg/Kg		97	70 - 130	21	35
o-Xylene	0.0102		0.100	0.1009		mg/Kg		91	70 - 130	22	35

MSD MSD

MB MB Result Qualifier

<50.0 U

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

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

Lab Sample ID: MB 880-23395/1-A

Matrix: Solid

Analysis Batch: 23429

Gasoline Range Organics

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

Prepared

04/12/22 13:16

Prep Batch: 23395

Analyzed Dil Fac 04/13/22 10:27 1

(GRO)-C6-C10

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50.0

Unit

mg/Kg

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Client: WSP USA Inc.

Job ID: 890-2180-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

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

Lab Sample ID: MB 880-23395/1-A	Client Sample ID: Method Blank
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 23429	Prep Batch: 23395

	IVID	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 10:27	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 10:27	1
	МВ	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130			04/12/22 13:16	04/13/22 10:27	1
o-Terphenyl	109		70 - 130			04/12/22 13:16	04/13/22 10:27	1

Lab Sample ID: LCS 880-23	395/2-A						Client	Sample	ID: Lab Contro	ol Sample
Matrix: Solid									Prep Type	: Total/NA
Analysis Batch: 23429									Prep Bat	ch: 23395
			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics			1000	862.6		mg/Kg		86	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over			1000	1023		mg/Kg		102	70 - 130	
C10-C28)										
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	99		70 - 130							
o-Terphenvl	119		70 - 130							

Lab Sample ID: LCSD 880-23395/3-A Matrix: Solid Analysis Batch: 23429				Clier	nt Sam	nple ID:	•	ol Sampl Type: To Batch:	tal/NA
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1058		mg/Kg		106	70 - 130	20	20
Diesel Range Organics (Over C10-C28)	1000	912.0		mg/Kg		91	70 - 130	11	20

•			
	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: 890-2180-1 MS Matrix: Solid Analysis Batch: 23429									Prep 1	mple ID: FS01 Type: Total/NA Batch: 23395
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	783.7		mg/Kg		78	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	705.8	F1	mg/Kg		69	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	81		70 - 130
o-Terphenyl	89		70 - 130

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Client: WSP USA Inc. Job ID: 890-2180-1 SDG: 31403665.011 task 02 Project/Site: Road Runner Delivery

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

Lab Sample ID: 890-2180-1 MSD Client Sample ID: FS01 **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 23429 Prep Batch: 23395

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U	998	789.7		mg/Kg		79	70 - 130	1	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U F1	998	714.7		mg/Kg		70	70 - 130	1	20
C10-C28)											

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	80		70 - 130
o-Terphenyl	90		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-23467/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 23681

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			04/16/22 14:31	1

Lab Sample ID: LCS 880-23467/2-A **Client Sample ID: Lab Control Sample** Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 23681

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	259.8		mg/Kg		104	90 - 110	

Lab Sample ID: LCSD 880-23467/3-A Client Sample ID: Lab Control Sample Dup Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 23681

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	250	266.6		mg/Kg		107	90 - 110	3	20	

Lab Sample ID: 890-2180-2 MS **Client Sample ID: FS02 Matrix: Solid Prep Type: Soluble**

Analysis Batch: 23681

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	50 1		253	308.6		ma/Ka		90	90 110	

Lab Sample ID: 890-2180-2 MSD **Client Sample ID: FS02** Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 23681

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Chloride	59.1		253	313.6		mg/Kg		101	90 - 110	2	20	

QC Association Summary

Client: WSP USA Inc.

Job ID: 890-2180-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

GC VOA

Prep Batch: 23326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-23326/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 23363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2180-1	FS01	Total/NA	Solid	8021B	23396
890-2180-2	FS02	Total/NA	Solid	8021B	23396
890-2180-3	FS03	Total/NA	Solid	8021B	23396
890-2180-4	FS04	Total/NA	Solid	8021B	23396
890-2180-5	FS05	Total/NA	Solid	8021B	23396
890-2180-6	FS06	Total/NA	Solid	8021B	23396
890-2180-7	FS07	Total/NA	Solid	8021B	23396
890-2180-8	FS08	Total/NA	Solid	8021B	23396
890-2180-9	FS09	Total/NA	Solid	8021B	23396
890-2180-10	FS10	Total/NA	Solid	8021B	23396
MB 880-23326/5-A	Method Blank	Total/NA	Solid	8021B	23326
MB 880-23396/5-A	Method Blank	Total/NA	Solid	8021B	23396
LCS 880-23396/1-A	Lab Control Sample	Total/NA	Solid	8021B	23396
LCSD 880-23396/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	23396
890-2179-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	23396
890-2179-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	23396

Prep Batch: 23396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2180-1	FS01	Total/NA	Solid	5035	
890-2180-2	FS02	Total/NA	Solid	5035	
890-2180-3	FS03	Total/NA	Solid	5035	
890-2180-4	FS04	Total/NA	Solid	5035	
890-2180-5	FS05	Total/NA	Solid	5035	
890-2180-6	FS06	Total/NA	Solid	5035	
890-2180-7	FS07	Total/NA	Solid	5035	
890-2180-8	FS08	Total/NA	Solid	5035	
890-2180-9	FS09	Total/NA	Solid	5035	
890-2180-10	FS10	Total/NA	Solid	5035	
MB 880-23396/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-23396/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-23396/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2179-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
890-2179-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 23444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2180-1	FS01	Total/NA	Solid	Total BTEX	
890-2180-2	FS02	Total/NA	Solid	Total BTEX	
890-2180-3	FS03	Total/NA	Solid	Total BTEX	
890-2180-4	FS04	Total/NA	Solid	Total BTEX	
890-2180-5	FS05	Total/NA	Solid	Total BTEX	
890-2180-6	FS06	Total/NA	Solid	Total BTEX	
890-2180-7	FS07	Total/NA	Solid	Total BTEX	
890-2180-8	FS08	Total/NA	Solid	Total BTEX	
890-2180-9	FS09	Total/NA	Solid	Total BTEX	
890-2180-10	FS10	Total/NA	Solid	Total BTEX	

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Released to Imaging: 6/16/2022 11:36:27 AM

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QC Association Summary

Client: WSP USA Inc.

Job ID: 890-2180-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

GC Semi VOA

Prep Batch: 23395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2180-1	FS01	Total/NA	Solid	8015NM Prep	
890-2180-2	FS02	Total/NA	Solid	8015NM Prep	
890-2180-3	FS03	Total/NA	Solid	8015NM Prep	
890-2180-4	FS04	Total/NA	Solid	8015NM Prep	
890-2180-5	FS05	Total/NA	Solid	8015NM Prep	
890-2180-6	FS06	Total/NA	Solid	8015NM Prep	
890-2180-7	FS07	Total/NA	Solid	8015NM Prep	
890-2180-8	FS08	Total/NA	Solid	8015NM Prep	
890-2180-9	FS09	Total/NA	Solid	8015NM Prep	
890-2180-10	FS10	Total/NA	Solid	8015NM Prep	
MB 880-23395/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-23395/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-23395/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2180-1 MS	FS01	Total/NA	Solid	8015NM Prep	
890-2180-1 MSD	FS01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 23429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2180-1	FS01	Total/NA	Solid	8015B NM	23395
890-2180-2	FS02	Total/NA	Solid	8015B NM	23395
890-2180-3	FS03	Total/NA	Solid	8015B NM	23395
890-2180-4	FS04	Total/NA	Solid	8015B NM	23395
890-2180-5	FS05	Total/NA	Solid	8015B NM	23395
890-2180-6	FS06	Total/NA	Solid	8015B NM	23395
890-2180-7	FS07	Total/NA	Solid	8015B NM	23395
890-2180-8	FS08	Total/NA	Solid	8015B NM	23395
890-2180-9	FS09	Total/NA	Solid	8015B NM	23395
890-2180-10	FS10	Total/NA	Solid	8015B NM	23395
MB 880-23395/1-A	Method Blank	Total/NA	Solid	8015B NM	23395
LCS 880-23395/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23395
LCSD 880-23395/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23395
890-2180-1 MS	FS01	Total/NA	Solid	8015B NM	23395
890-2180-1 MSD	FS01	Total/NA	Solid	8015B NM	23395

Analysis Batch: 23543

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2180-1	FS01	Total/NA	Solid	8015 NM	
890-2180-2	FS02	Total/NA	Solid	8015 NM	
890-2180-3	FS03	Total/NA	Solid	8015 NM	
890-2180-4	FS04	Total/NA	Solid	8015 NM	
890-2180-5	FS05	Total/NA	Solid	8015 NM	
890-2180-6	FS06	Total/NA	Solid	8015 NM	
890-2180-7	FS07	Total/NA	Solid	8015 NM	
890-2180-8	FS08	Total/NA	Solid	8015 NM	
890-2180-9	FS09	Total/NA	Solid	8015 NM	
890-2180-10	FS10	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: WSP USA Inc.

Job ID: 890-2180-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

HPLC/IC

Leach Batch: 23467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2180-1	FS01	Soluble	Solid	DI Leach	_
890-2180-2	FS02	Soluble	Solid	DI Leach	
890-2180-3	FS03	Soluble	Solid	DI Leach	
890-2180-4	FS04	Soluble	Solid	DI Leach	
890-2180-5	FS05	Soluble	Solid	DI Leach	
890-2180-6	FS06	Soluble	Solid	DI Leach	
890-2180-7	FS07	Soluble	Solid	DI Leach	
890-2180-8	FS08	Soluble	Solid	DI Leach	
890-2180-9	FS09	Soluble	Solid	DI Leach	
890-2180-10	FS10	Soluble	Solid	DI Leach	
MB 880-23467/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23467/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23467/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2180-2 MS	FS02	Soluble	Solid	DI Leach	
890-2180-2 MSD	FS02	Soluble	Solid	DI Leach	

Analysis Batch: 23681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2180-1	FS01	Soluble	Solid	300.0	23467
890-2180-2	FS02	Soluble	Solid	300.0	23467
890-2180-3	FS03	Soluble	Solid	300.0	23467
890-2180-4	FS04	Soluble	Solid	300.0	23467
890-2180-5	FS05	Soluble	Solid	300.0	23467
890-2180-6	FS06	Soluble	Solid	300.0	23467
890-2180-7	FS07	Soluble	Solid	300.0	23467
890-2180-8	FS08	Soluble	Solid	300.0	23467
890-2180-9	FS09	Soluble	Solid	300.0	23467
890-2180-10	FS10	Soluble	Solid	300.0	23467
MB 880-23467/1-A	Method Blank	Soluble	Solid	300.0	23467
LCS 880-23467/2-A	Lab Control Sample	Soluble	Solid	300.0	23467
LCSD 880-23467/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23467
890-2180-2 MS	FS02	Soluble	Solid	300.0	23467
890-2180-2 MSD	FS02	Soluble	Solid	300.0	23467

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Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Date Received: 04/11/22 11:01

Job ID: 890-2180-1

SDG: 31403665.011 task 02

Client Sample ID: FS01 Lab Sample ID: 890-2180-1 Date Collected: 04/08/22 12:50

Matrix: Solid

XEN MID

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 23396 Total/NA Prep 5.02 g 5 mL 04/12/22 14:17 MR XEN MID 8021B Total/NA Analysis 1 5 mL 5 mL 23363 04/13/22 08:26 MR XEN MID Total/NA Analysis Total BTEX 23444 04/13/22 10:18 ΑJ XEN MID Total/NA 8015 NM 23543 XEN MID Analysis 1 04/14/22 14:43 AJ Total/NA 8015NM Prep 23395 04/12/22 13:16 XEN MID Prep 10.02 g 10 mL DM Total/NA Analysis 8015B NM 23429 04/13/22 11:28 ΑJ XEN MID Soluble DI Leach 5.04 g 50 mL 23467 04/13/22 12:25 СН XEN MID Leach

Client Sample ID: FS02 Lab Sample ID: 890-2180-2

23681

04/16/22 16:13

CH

Date Collected: 04/08/22 13:45 **Matrix: Solid**

Date Received: 04/11/22 11:01

Analysis

300.0

Soluble

	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	23396	04/12/22 14:17	MR	XEN MIC
Total/NA	Analysis	8021B		1	5 mL	5 mL	23363	04/13/22 08:53	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23444	04/13/22 10:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23543	04/14/22 14:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 12:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	23467	04/13/22 12:25	СН	XEN MID
Soluble	Analysis	300.0		1			23681	04/16/22 16:19	CH	XEN MII

Client Sample ID: FS03 Lab Sample ID: 890-2180-3

Date Collected: 04/08/22 12:45 Date Received: 04/11/22 11:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	23396	04/12/22 14:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23363	04/13/22 09:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23444	04/13/22 10:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23543	04/14/22 14:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 12:51	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	23467	04/13/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			23681	04/16/22 16:38	CH	XEN MID

Client Sample ID: FS04 Lab Sample ID: 890-2180-4

Date Collected: 04/08/22 12:50 Date Received: 04/11/22 11:01

Г										
	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	23396	04/12/22 14:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23363	04/13/22 09:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23444	04/13/22 10:18	AJ	XEN MID

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Matrix: Solid

Page 22 of 31

Lab Chronicle

Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Job ID: 890-2180-1

SDG: 31403665.011 task 02

Client Sample ID: FS04

Lab Sample ID: 890-2180-4

Date Collected: 04/08/22 12:50

Date Received: 04/11/22 11:01

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			23543	04/14/22 14:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 13:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23467	04/13/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			23681	04/16/22 16:44	CH	XEN MID

Client Sample ID: FS05 Lab Sample ID: 890-2180-5

Date Collected: 04/08/22 12:55 Date Received: 04/11/22 11:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	23396	04/12/22 14:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23363	04/13/22 10:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23444	04/13/22 10:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23543	04/14/22 14:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 13:33	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	23467	04/13/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			23681	04/16/22 17:03	CH	XEN MID

Client Sample ID: FS06

Date Collected: 04/08/22 13:50

Lab Sample ID: 890-2180-6

Matrix: Solid

Date Received: 04/11/22 11:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	23396	04/12/22 14:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23363	04/13/22 10:40	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23444	04/13/22 10:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23543	04/14/22 14:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 13:53	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23467	04/13/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			23681	04/16/22 17:10	CH	XEN MID

Client Sample ID: FS07 Lab Sample ID: 890-2180-7

Date Collected: 04/08/22 14:10 Date Received: 04/11/22 11:01

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	23396	04/12/22 14:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23363	04/13/22 11:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23444	04/13/22 10:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23543	04/14/22 14:43	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g	10 mL	23395 23429	04/12/22 13:16 04/13/22 14:14	DM AJ	XEN MID XEN MID

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Matrix: Solid

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Matrix: Solid

Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Job ID: 890-2180-1 SDG: 31403665.011 task 02

Client Sample ID: FS07

Date Collected: 04/08/22 14:10 Date Received: 04/11/22 11:01

Lab Sample ID: 890-2180-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	23467	04/13/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			23681	04/16/22 17:16	CH	XEN MID

Client Sample ID: FS08 Lab Sample ID: 890-2180-8

Date Collected: 04/08/22 14:15 Date Received: 04/11/22 11:01

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			5.01 g	5 mL	23396	04/12/22 14:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23363	04/13/22 11:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23444	04/13/22 10:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23543	04/14/22 14:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 14:35	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	23467	04/13/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			23681	04/16/22 17:22	CH	XEN MID

Client Sample ID: FS09 Lab Sample ID: 890-2180-9

Date Collected: 04/08/22 14:20

Matrix: Solid

Date Received: 04/11/22 11:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	23396	04/12/22 14:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23363	04/13/22 12:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23444	04/13/22 10:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23543	04/14/22 14:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 14:55	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	23467	04/13/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			23681	04/16/22 17:29	CH	XEN MID

Client Sample ID: FS10 Lab Sample ID: 890-2180-10

Date Collected: 04/08/22 14:25 Date Received: 04/11/22 11:01

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	23396	04/12/22 14:17	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23363	04/13/22 12:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23444	04/13/22 10:18	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23543	04/14/22 14:43	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 15:16	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	23467	04/13/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			23681	04/16/22 17:35	CH	XEN MID

Eurofins Carlsbad

Matrix: Solid

Lab Chronicle

Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Job ID: 890-2180-1 SDG: 31403665.011 task 02

Laboratory References:

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

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Accreditation/Certification Summary

Client: WSP USA Inc.

Job ID: 890-2180-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-21-22	06-30-22
The following analytes	are included in this report, bu	it the laboratory is not certifi	ed by the governing authority. This list ma	av include analytes for w
the agency does not of	fer certification.	,	ou by the generaling during, the notine	ay molado analytoo for th
the agency does not of Analysis Method	fer certification . Prep Method	Matrix	Analyte	ay molado analytoo lor u
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Eurofins Carlsbad

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Method Summary

Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Job ID: 890-2180-1

SDG: 31403665.011 task 02

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

Protocol References:

ASTM = ASTM International

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Job ID: 890-2180-1

SDG: 31403665.011 task 02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2180-1	FS01	Solid	04/08/22 12:50	04/11/22 11:01	4
890-2180-2	FS02	Solid	04/08/22 13:45	04/11/22 11:01	5
890-2180-3	FS03	Solid	04/08/22 12:45	04/11/22 11:01	4
890-2180-4	FS04	Solid	04/08/22 12:50	04/11/22 11:01	4
890-2180-5	FS05	Solid	04/08/22 12:55	04/11/22 11:01	4
890-2180-6	FS06	Solid	04/08/22 13:50	04/11/22 11:01	5
890-2180-7	FS07	Solid	04/08/22 14:10	04/11/22 11:01	4
890-2180-8	FS08	Solid	04/08/22 14:15	04/11/22 11:01	4
890-2180-9	FS09	Solid	04/08/22 14:20	04/11/22 11:01	4
890-2180-10	FS10	Solid	04/08/22 14:25	04/11/22 11:01	4

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Work Order No:

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

		Jn .								
		4						10		3
		N	0	4-11-22	٠ <u></u>		6	(A)		
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	ne	Date/Time		ature)	by: (Signa	Received by: (Signature)	gnature)	Relinquished by: (Signature)
	It assigns standard terms and conditions edue to circumstances beyond the control forced unless previously negotiated.	113 3	enco, its affiliation incurred by but not analy	company to X s or expenses ed to Xenco, I	from client or any losse ople submitt	purchase order responsibility to \$5 for each sam	assume any la charge of	samples consti	nent and relinquishment of only for the cost of sample of \$75.00 will be applied to	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses a of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be a
Bir area of the state of the st	=	11 11 -2	ва ве с	Sb As	8HCHA	TCLP / SPLP 6010: 8HCHA	TCLP / S	alyzed	Circle Method(s) and Metal(s) to be analyzed	Circle Method(s)
Na Sr TI Sn U V Zn	Mo Ni K Se Ag SiO2	Cr Co Cu Fe	Ba Be B	Sb As	Texas 11 Al	13PPM Tex	8RCRA 13	88	200.8 / 6020:	Total 200.7 / 6010
Composite			×	×	-	4	14:25	04/08/22	S	FS10
Composite			×	×	_	4	14:20	04/08/22	S	FS09
Composite			×	×		4	14:15	04/08/22	S	FS08
Composite			×	×	_	4_	14:10	04/08/22	S	FS07
Composite			×	×	_	ΩĪ	13:50	04/08/22	S	FS06
Composite			×	×		4.	12:55	04/08/22	S	FS05
Composite			×	×		4.	12:50	04/08/22	S	FS04
Composite			×	×	_	4.	12:45	04/08/22	S	FS03
Composite			×	×		ວັ	13:45	04/08/22	S	FS02
Composite			×	×	_	4.	12:50	04/08/22	S	FS01
Sample Comments			Chlorid	TPH (E	Numb	d Depth	Time Sampled	Date Sampled	ation Matrix	Sample Identification
lab, if received by 4:30pm			-	_	er of	rs:	Total Containers:	Tota	Yes No N/A	Sample Custody Seals:
TAT starts the day recevied by the		-	_		Ľ	6. P	Correction Factor:	Corre	Yes No NA	Cooler Custody Seals:
	stody	890-2180 Chain of Custody	-		L	1	NW OC	1	/ Yes No	Received Intact:
			+		iner	er ID	Thermometer ID		5.8/5.6	Temperature (°C):
					8	((Yes)	Wet Ice:	l(γes) No	\vdash	SAMPLE RECEIPT
						Due Date:	Du		Mercy Rotich.	Sampler's Name: Mei
						Rush:	P.			P.O. Number:
						Routine V	Ro	Task 02	31403665.011 Task 02	Project Number:
Work Order Notes		ANALYSIS REQUEST				Turn Around		Delivery	Road Runner Judien	Project Name: Roa
11	Deliverables: EDD	Email: mgant@lucid-energy.com,Travis.Casey@wsp.com	ravis.Cas	rgy.com,T	lucid-ene	ail: mgant@	Ema		575-689-5949	Phone: 575
Ç		Repo	M 88210	Artesia, NM 88210	ZIP:	City, State ZIP:			Carlsbad, NM,88220	te ZIP:
		S		201 S 4th		Address:			508 W Stevens St	
Is _RC Superfund	Program: UST/PST PRP Brownfields	Prog	ant	Michael Gant	Name:	Company Name:			WSP USA	
iments	Work Order Comments		Lucid Energy Group	Lucid Ene	ifferent)	Bill to: (if different)			Travis Casey	Project Manager: Tra
Page1 of1	www.xenco.com	Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-9900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	Atlanta,GA	0-355-0900)	nix,AZ (48)2-7550) Phoe	NM (575-39	Hobbs		
		Midland TY (432-704-5440) El Paso TX (915)585-3443 Lubbock.TX (806)794-1296	151585-344	Daen TX (14.5440) E	TV //20,70	Middle			

Login Sample Receipt Checklist

Client: WSP USA Inc. Job Number: 890-2180-1 SDG Number: 31403665.011 task 02

List Source: Eurofins Carlsbad

Login Number: 2180

List Number: 1 Creator: Clifton, Cloe		
Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	

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

Login Sample Receipt Checklist

Client: WSP USA Inc. Job Number: 890-2180-1

SDG Number: 31403665.011 task 02

Login Number: 2180 **List Source: Eurofins Midland** List Number: 2

List Creation: 04/12/22 11:16 AM

Creator: Rodriguez, Leticia

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

Eurofins Carlsbad

<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2181-1

Laboratory Sample Delivery Group: 31403665.011 task 02

Client Project/Site: Road Runner Delivery

For:

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

Attn: Travis Casey

JURAMER

Authorized for release by: 4/18/2022 4:08:48 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

Review your project results through

Have a Question?



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www.eurofinsus.com/Env

Released to Imaging: 6/16/2022 11:36:27 AM

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

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

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12

Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Laboratory Job ID: 890-2181-1

SDG: 31403665.011 task 02

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Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-2181-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Qualifiers

GC VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

F1 MS and/or MSD recovery exceeds control limits.

Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

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

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

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

Duplicate Error Ratio (normalized absolute difference) DER

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DΙ

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

DLC Decision Level Concentration (Radiochemistry)

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

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

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

Not Calculated NC

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

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

PRES Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Case Narrative

Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Job ID: 890-2181-1 SDG: 31403665.011 task 02

Job ID: 890-2181-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2181-1

Receipt

The samples were received on 4/11/2022 11:01 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 5.6°C

GC VOA

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

GC Semi VOA

Method 8015MOD NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-23395 and analytical batch 880-23429 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.

Lab Sample ID: 890-2181-1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-2181-1

Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: FS11 Date Collected: 04/08/22 14:40 Date Received: 04/11/22 11:01

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		04/12/22 14:43	04/13/22 02:00	1
Toluene	<0.00201	U	0.00201	mg/Kg		04/12/22 14:43	04/13/22 02:00	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		04/12/22 14:43	04/13/22 02:00	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		04/12/22 14:43	04/13/22 02:00	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		04/12/22 14:43	04/13/22 02:00	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		04/12/22 14:43	04/13/22 02:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			04/12/22 14:43	04/13/22 02:00	1
1,4-Difluorobenzene (Surr)	91		70 - 130			04/12/22 14:43	04/13/22 02:00	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402		0.00402	mg/Kg			04/13/22 11:39	
Method: 8015 NM - Diesel Range	Organics (DD	O) (GC)						
Analyte	•	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			04/14/22 13:42	1
Method: 8015B NM - Diesel Rang	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/12/22 13:16	04/13/22 15:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/12/22 13:16	04/13/22 15:58	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/12/22 13:16	04/13/22 15:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130			04/12/22 13:16	04/13/22 15:58	1
o-Terphenyl	99		70 - 130			04/12/22 13:16	04/13/22 15:58	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
					_			
Analyte	Result	Qualifier	4.98	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: FS12 Lab Sample ID: 890-2181-2 Matrix: Solid

Date Collected: 04/08/22 14:45 Date Received: 04/11/22 11:01

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:43	04/13/22 02:20	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:43	04/13/22 02:20	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		04/12/22 14:43	04/13/22 02:20	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/12/22 14:43	04/13/22 02:20	1
o-Xylene	< 0.00199	U	0.00199	mg/Kg		04/12/22 14:43	04/13/22 02:20	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/12/22 14:43	04/13/22 02:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			04/12/22 14:43	04/13/22 02:20	1

Lab Sample ID: 890-2181-2

Client Sample Results

Client: WSP USA Inc. Job ID: 890-2181-1

Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: FS12 Date Collected: 04/08/22 14:45

Date Received: 04/11/22 11:01 Sample Depth: 4

Method: 8021B - Volatile Organic Compounds	(GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100	70 - 130	04/12/22 14:43	04/13/22 02:20	1

ı				
ı	Method:	Total RTFX	: - Total BTEX	Calculation
ı	mictilou.	TOTAL DIE	- IOLAI DIEA	Oulculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/13/22 11:39	1

Method:	2015 NM	- Diasal	Range	Organics	(DRO) (GC

Analyte	Result (Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0 l	U	50.0	mg/Kg			04/14/22 13:42	1

Method: 8015B NM - Diese	I Range Organics (D	RO) (GC)
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Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 16:18	1	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 16:18	1	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/12/22 13:16	04/13/22 16:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	

1-Chlorooctane	86	70 _ 130
o-Terphenyl	101	70 - 130

1-Chlorooctane	86	70 - 130	04/12/22 13:16	04/13/22 16:18	1
o-Terphenyl	101	70 - 130	04/12/22 13:16	04/13/22 16:18	1
Method: 300.0 - Anions, Ion Chror	natography - Soluble	9			

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	158	4.99	mg/Kg			04/16/22 16:55	1

Client Sample ID: FS13 Lab Sample ID: 890-2181-3 Matrix: Solid

Date Collected: 04/08/22 14:50 Date Received: 04/11/22 11:01

Sample Depth: 4

motification collis	o oompoundo (()						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:43	04/13/22 02:41	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:43	04/13/22 02:41	1
Ethylbenzene	< 0.00199	U	0.00199	mg/Kg		04/12/22 14:43	04/13/22 02:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/12/22 14:43	04/13/22 02:41	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/12/22 14:43	04/13/22 02:41	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/12/22 14:43	04/13/22 02:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130			04/12/22 14:43	04/13/22 02:41	1
1,4-Difluorobenzene (Surr)	94		70 - 130			04/12/22 14:43	04/13/22 02:41	1

Mothod:	Total RT	EY - Tota	I DTEY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00398	U	0.00398	ma/Ka			04/13/22 11:39	1

Analyte	•	•	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH			<49.9	U	49.9	mg/Kg			04/14/22 13:42	1

Lab Sample ID: 890-2181-3

Client: WSP USA Inc. Job ID: 890-2181-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: FS13

Date Collected: 04/08/22 14:50 Date Received: 04/11/22 11:01

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/12/22 13:16	04/13/22 16:39	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/12/22 13:16	04/13/22 16:39	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/12/22 13:16	04/13/22 16:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130			04/12/22 13:16	04/13/22 16:39	1
o-Terphenyl	100		70 - 130			04/12/22 13:16	04/13/22 16:39	1
- Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac

Client Sample ID: FS14 Lab Sample ID: 890-2181-4 Date Collected: 04/08/22 14:55 Matrix: Solid

Date Received: 04/11/22 11:01

Sample Depth: 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/12/22 14:43	04/13/22 03:01	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/12/22 14:43	04/13/22 03:01	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/12/22 14:43	04/13/22 03:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/12/22 14:43	04/13/22 03:01	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/12/22 14:43	04/13/22 03:01	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/12/22 14:43	04/13/22 03:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			04/12/22 14:43	04/13/22 03:01	1
1,4-Difluorobenzene (Surr)	99		70 - 130			04/12/22 14:43	04/13/22 03:01	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399	mg/Kg			04/13/22 11:39	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			04/14/22 13:42	1
Method: 8015B NM - Diesel Rang	je Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/12/22 11:00	04/13/22 16:59	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/12/22 11:00	04/13/22 16:59	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/12/22 11:00	04/13/22 16:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			04/12/22 11:00	04/13/22 16:59	1

Client Sample Results

Client: WSP USA Inc.

Job ID: 890-2181-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

Client Sample ID: FS14 Lab Sample ID: 890-2181-4

Date Collected: 04/08/22 14:55
Date Received: 04/11/22 11:01

Matrix: Solid

Sample Depth: 4

Method: 300.0 - Anions, Ion Chrom	natography - S	oluble						
Analyte	Result C	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	342		5.03	mg/Kg			04/16/22 17:13	1

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10

4.6

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Surrogate Summary

Client: WSP USA Inc. Job ID: 890-2181-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		BFB1	DFBZ1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
0-2176-A-11-B MS	Matrix Spike	97	102	
0-2176-A-11-C MSD	Matrix Spike Duplicate	98	90	
0-2181-1	FS11	101	91	
0-2181-2	FS12	119	100	
0-2181-3	FS13	94	94	
0-2181-4	FS14	97	99	
S 880-23399/1-A	Lab Control Sample	99	103	
SD 880-23399/2-A	Lab Control Sample Dup	100	102	
B 880-23328/5-A	Method Blank	97	100	
B 880-23399/5-A	Method Blank	100	96	

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)	
890-2175-A-31-B MS	Matrix Spike	120	109	
890-2175-A-31-C MSD	Matrix Spike Duplicate	118	111	
890-2180-A-1-B MS	Matrix Spike	81	89	
890-2180-A-1-C MSD	Matrix Spike Duplicate	80	90	
890-2181-1	FS11	84	99	
890-2181-2	FS12	86	101	
890-2181-3	FS13	84	100	
890-2181-4	FS14	96	91	
LCS 880-23323/2-A	Lab Control Sample	103	92	
LCSD 880-23323/3-A	Lab Control Sample Dup	104	93	
MB 880-23323/1-A	Method Blank	108	110	

OTPH = o-Terphenyl

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

Matrix: Solid Prep Type: Total/NA

_				Percent Surrogate Recovery (Acceptance Limits)
		1CO2	OTPH2	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
LCS 880-23395/2-A	Lab Control Sample	99	119	
LCSD 880-23395/3-A	Lab Control Sample Dup	100	118	
MB 880-23395/1-A	Method Blank	91	109	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

Client: WSP USA Inc. Job ID: 890-2181-1 SDG: 31403665.011 task 02 Project/Site: Road Runner Delivery

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-23328/5-A

Matrix: Solid

Analysis Batch: 23365

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23328

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/11/22 17:03	04/12/22 11:58	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/11/22 17:03	04/12/22 11:58	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/11/22 17:03	04/12/22 11:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/11/22 17:03	04/12/22 11:58	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/11/22 17:03	04/12/22 11:58	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/11/22 17:03	04/12/22 11:58	1

MB MB

Surrogate	%Recovery	Quaimer	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Analyzed 04/11/22 17:03 04/12/22 11:58 04/11/22 17:03 04/12/22 11:58

Prepared

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

Prep Batch: 23399

Matrix: Solid

Analysis Batch: 23365

Lab Sample ID: MB 880-23399/5-A

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/12/22 14:43	04/13/22 00:09	•
Toluene	<0.00200	U	0.00200	mg/Kg		04/12/22 14:43	04/13/22 00:09	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/12/22 14:43	04/13/22 00:09	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/12/22 14:43	04/13/22 00:09	•
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/12/22 14:43	04/13/22 00:09	
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/12/22 14:43	04/13/22 00:09	•

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Surrogate	%Recovery	Qualifier	Limits	Prepa	red	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/12/22	14:43	04/13/22 00:09	1
1,4-Difluorobenzene (Surr)	96		70 - 130	04/12/22	14:43	04/13/22 00:09	1

Lab Sample ID: LCS 880-23399/1-A

Matrix: Solid

Analysis Batch: 23365

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

Client Sample ID: Lab Control Sample Dup

Prep Batch: 23399

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.08430		mg/Kg		84	70 - 130	
Toluene	0.100	0.09329		mg/Kg		93	70 - 130	
Ethylbenzene	0.100	0.09666		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	0.200	0.1931		mg/Kg		97	70 - 130	
o-Xylene	0.100	0.09657		mg/Kg		97	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	99	70 - 130
1.4-Difluorobenzene (Surr)	103	70 - 130

Lab Sample ID: LCSD 880-23399/2-A

Matrix: Solid

Analysis Batch: 23365							Prep Batch: 23399			
	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.08654		mg/Kg		87	70 - 130	3	35	

Eurofins Carlsbad

Prep Type: Total/NA

Dil Fac

m-Xylene & p-Xylene

o-Xylene

35

35

70 - 130

70 - 130

101

100

QC Sample Results

Client: WSP USA Inc.

Job ID: 890-2181-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

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

Lab Sample ID: LCSD 880-23399/2-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid** Prep Type: Total/NA **Analysis Batch: 23365** Prep Batch: 23399 Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit D Toluene 0.100 0.09685 97 70 - 130 35 mg/Kg 4 Ethylbenzene 0.100 0.1007 mg/Kg 101 70 - 130 35

0.2012

0.1001

mg/Kg

mg/Kg

0.200

0.100

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-2176-A-11-B MS

Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 23365 Prep Batch: 23399

Samp	le Sample	Spike	MS	MS				%Rec	
Analyte Res	lt Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene <0.002	0 U	0.100	0.1241		mg/Kg		124	70 - 130	
Toluene <0.002	0 U	0.100	0.1247		mg/Kg		124	70 - 130	
Ethylbenzene <0.002	0 U	0.100	0.1125		mg/Kg		112	70 - 130	
m-Xylene & p-Xylene <0.003	9 U	0.200	0.2328		mg/Kg		116	70 - 130	
o-Xylene <0.002	0 U	0.100	0.1091		mg/Kg		109	70 - 130	

 Surrogate
 %Recovery
 Qualifier
 Limits

 4-Bromofluorobenzene (Surr)
 97
 70 - 130

 1,4-Difluorobenzene (Surr)
 102
 70 - 130

Lab Sample ID: 890-2176-A-11-C MSD

Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Total/NA
Analysis Batch: 23365 Prep Batch: 23399

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00200	U	0.101	0.09602	-	mg/Kg		95	70 - 130	26	35
Toluene	<0.00200	U	0.101	0.1114		mg/Kg		111	70 - 130	11	35
Ethylbenzene	<0.00200	U	0.101	0.1028		mg/Kg		102	70 - 130	9	35
m-Xylene & p-Xylene	<0.00399	U	0.202	0.2151		mg/Kg		107	70 - 130	8	35
o-Xylene	<0.00200	U	0.101	0.1007		mg/Kg		100	70 - 130	8	35

	mod m	00	
Surrogate	%Recovery Qu	ualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1,4-Difluorobenzene (Surr)	90		70 - 130

MSD MSD

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

Lab Sample ID: MB 880-23323/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 23431 Prep Batch: 23323

Analyte Result Qualifier RL Unit D Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 mg/Kg 04/11/22 16:44 04/13/22 10:24 1 (GRO)-C6-C10

Client: WSP USA Inc. Job ID: 890-2181-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

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

Lab Sample ID: MB 880-23323/1-A **Matrix: Solid**

Analysis Batch: 23431

Client Sample ID: Method Blank

Prep Type: Total/NA Prep Batch: 23323

	IVID	D MID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/11/22 16:44	04/13/22 10:24	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/11/22 16:44	04/13/22 10:24	1

MB MB

	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
	1-Chlorooctane	108		70 - 130	04/11/22 16:44	04/13/22 10:24	1
l	o-Terphenyl	110		70 - 130	04/11/22 16:44	04/13/22 10:24	1

Client Sample ID: Lab Control Sample

70 - 130

94

Lab Sample ID: LCS 880-23323/2-A **Matrix: Solid** Prep Type: Total/NA Analysis Batch: 23431 Prep Batch: 23323

944 4

mg/Kg

LCS LCS Spike Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics 1000 1179 118 70 - 130 mg/Kg (GRO)-C6-C10

1000

Diesel Range Organics (Over C10-C28)

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: LCSD 880-23323/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid Analysis Batch: 23431

Spike LCSD LCSD %Rec **RPD** Analyte Added Result Qualifier %Rec Limits RPD Limit Unit D Gasoline Range Organics 1000 1064 mg/Kg 106 70 - 130 10 20 (GRO)-C6-C10 Diesel Range Organics (Over 1000 909.3 mg/Kg 91 70 - 130 4 20

C10-C28)

LCSD LCSD Surrogate %Recovery Qualifier Limits 1-Chlorooctane 104 70 - 130 o-Terphenyl 93 70 - 130

Lab Sample ID: 890-2175-A-31-B MS

Matrix: Solid

Analysis Batch: 23431

Client Sample ID: Matrix Spike

Prep Type: Total/NA Prep Batch: 23323

Prep Type: Total/NA

Prep Batch: 23323

MS MS %Rec Sample Sample Spike Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits <49.9 U 998 70 - 130 Gasoline Range Organics 1058 106 mg/Kg (GRO)-C6-C10 998 Diesel Range Organics (Over <49.9 U 1022 mg/Kg 99 70 - 130

C10-C28)

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	120		70 - 130
o-Terphenyl	109		70 - 130

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Client: WSP USA Inc. Job ID: 890-2181-1 SDG: 31403665.011 task 02 Project/Site: Road Runner Delivery

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

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 23323

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U	997	1140		mg/Kg		114	70 - 130	7	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U	997	1061		mg/Kg		103	70 - 130	4	20

C10-C28)

MSD MSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: MB 880-23395/1-A Client Sample ID: Method Blank

Matrix: Solid

Analysis Batch: 23429

мв мв

Prep Type: Total/NA

Prep Batch: 23395

Result Qualifier Unit Analyte RL Prepared Analyzed Dil Fac Gasoline Range Organics <50.0 U 50.0 04/12/22 13:16 04/13/22 10:27 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <50.0 U 50.0 mg/Kg 04/12/22 13:16 04/13/22 10:27 C10-C28) Oll Range Organics (Over C28-C36) 50.0 <50.0 U mg/Kg 04/12/22 13:16 04/13/22 10:27

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	04/12/22 13:16	04/13/22 10:27	1
o-Terphenyl	109		70 - 130	04/12/22 13:16	04/13/22 10:27	1

Lab Sample ID: LCS 880-23395/2-A

Matrix: Solid

Analysis Batch: 23429

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 23395

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	862.6		mg/Kg		86	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1023		mg/Kg		102	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: LCSD 880-23395/3-A

Matrix: Solid

Analysis Batch: 23429

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

Prep Batch: 23395

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1058		mg/Kg		106	70 - 130	20	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	912.0		mg/Kg		91	70 - 130	11	20
C10-C28)									

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Lab Sample ID: 890-2175-A-31-C MSD

Client: WSP USA Inc. Job ID: 890-2181-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

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

Lab Sample ID: LCSD 880-23395/3-A

Matrix: Solid

Analysis Batch: 23429

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

Prep Batch: 23395

LCSD LCSD %Recovery Qualifier Surrogate Limits 1-Chlorooctane 100 70 - 130 o-Terphenyl 118 70 - 130

Lab Sample ID: 890-2180-A-1-B MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 23429

Prep Type: Total/NA

Prep Batch: 23395

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <49.9 U 1000 783 7 78 70 - 130Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 69 <49.9 U F1 705.8 F1 mg/Kg 70 - 130

C10-C28)

MS MS %Recovery Surrogate Qualifier Limits 70 - 130 1-Chlorooctane 81 89 70 - 130 o-Terphenyl

Lab Sample ID: 890-2180-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 23429

Prep Type: Total/NA

Prep Batch: 23395

MSD MSD RPD Sample Sample Spike Added Result Qualifier Analyte Result Qualifier Unit %Rec I imits RPD Limit D Gasoline Range Organics <49.9 U 998 789.7 mg/Kg 79 70 - 130 20 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 UF1 998 714.7 mg/Kg 70 70 - 130 20 C10-C28)

MSD MSD %Recovery Qualifier Surrogate Limits

70 - 130 1-Chlorooctane 80 o-Terphenyl 70 - 130 90

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-23467/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 23681

мв мв

Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 04/16/22 14:31

Lab Sample ID: LCS 880-23467/2-A **Client Sample ID: Lab Control Sample Matrix: Solid Prep Type: Soluble**

Analysis Batch: 23681

Spike LCS LCS %Rec Analyte Added Result Qualifier Limits Unit Chloride 250 259.8 mg/Kg 104 90 - 110

Client: WSP USA Inc. Job ID: 890-2181-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-23467/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 23681

Spike LCSD LCSD RPD %Rec Analyte Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 250 266.6 mg/Kg 107 90 - 110 20

Lab Sample ID: 890-2180-A-2-D MS Client Sample ID: Matrix Spike **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 23681

Sample Sample Spike MS MS %Rec Qualifier Added Analyte Result Result Qualifier Unit D %Rec Limits Chloride 59.1 253 308.6 mg/Kg 99 90 - 110

Lab Sample ID: 890-2180-A-2-E MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid Prep Type: Soluble

Analysis Batch: 23681

MSD MSD RPD Spike %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 59.1 253 313.6 mg/Kg 101 90 - 110

Lab Sample ID: MB 880-23533/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 23692

мв мв

Result Qualifier Analyte RL Unit Prepared Analyzed Dil Fac 5.00 mg/Kg Chloride <5.00 04/16/22 14:46

Lab Sample ID: LCS 880-23533/2-A Client Sample ID: Lab Control Sample **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 23692

LCS LCS Spike %Rec Analyte Added Result Qualifier Unit %Rec Limits Chloride 250 244.5 mg/Kg 98 90 - 110

Lab Sample ID: LCSD 880-23533/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 23692

Spike LCSD LCSD %Rec RPD Added RPD Analyte Result Qualifier Unit D %Rec Limits Limit Chloride 250 242 4 mg/Kg

Lab Sample ID: 890-2184-A-1-H MS Client Sample ID: Matrix Spike

Matrix: Solid

Analysis Batch: 23692

MS MS %Rec Sample Sample Spike Added Result Qualifier Result Qualifier Limits Analyte Unit %Rec Chloride 66.5 252 313.2 mg/Kg 98 90 - 110

Lab Sample ID: 890-2184-A-1-I MSD Client Sample ID: Matrix Spike Duplicate **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 23692

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Spike MSD MSD %Rec RPD Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 66.5 252 313.0 mg/Kg 98 90 - 110 20

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Prep Type: Soluble

90 - 110

Prep Type: Soluble

Client: WSP USA Inc.

Job ID: 890-2181-1
Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

GC VOA

Prep Batch: 23328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-23328/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 23365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2181-1	FS11	Total/NA	Solid	8021B	23399
890-2181-2	FS12	Total/NA	Solid	8021B	23399
890-2181-3	FS13	Total/NA	Solid	8021B	23399
890-2181-4	FS14	Total/NA	Solid	8021B	23399
MB 880-23328/5-A	Method Blank	Total/NA	Solid	8021B	23328
MB 880-23399/5-A	Method Blank	Total/NA	Solid	8021B	23399
LCS 880-23399/1-A	Lab Control Sample	Total/NA	Solid	8021B	23399
LCSD 880-23399/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	23399
890-2176-A-11-B MS	Matrix Spike	Total/NA	Solid	8021B	23399
890-2176-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	23399

Prep Batch: 23399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2181-1	FS11	Total/NA	Solid	5035	
890-2181-2	FS12	Total/NA	Solid	5035	
890-2181-3	FS13	Total/NA	Solid	5035	
890-2181-4	FS14	Total/NA	Solid	5035	
MB 880-23399/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-23399/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-23399/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2176-A-11-B MS	Matrix Spike	Total/NA	Solid	5035	
890-2176-A-11-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 23463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2181-1	FS11	Total/NA	Solid	Total BTEX	
890-2181-2	FS12	Total/NA	Solid	Total BTEX	
890-2181-3	FS13	Total/NA	Solid	Total BTEX	
890-2181-4	FS14	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 23323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2181-4	FS14	Total/NA	Solid	8015NM Prep	
MB 880-23323/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-23323/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-23323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2175-A-31-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2175-A-31-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 23395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2181-1	FS11	Total/NA	Solid	8015NM Prep	
890-2181-2	FS12	Total/NA	Solid	8015NM Prep	
890-2181-3	FS13	Total/NA	Solid	8015NM Prep	
MB 880-23395/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

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Client: WSP USA Inc.

Job ID: 890-2181-1
Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

GC Semi VOA (Continued)

Prep Batch: 23395 (Continued)

Lab Sample ID LCS 880-23395/2-A	Client Sample ID Lab Control Sample	Prep Type Total/NA	Solid	Method 8015NM Prep	Prep Batch
LCSD 880-23395/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2180-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2180-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 23429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2181-1	FS11	Total/NA	Solid	8015B NM	23395
890-2181-2	FS12	Total/NA	Solid	8015B NM	23395
890-2181-3	FS13	Total/NA	Solid	8015B NM	23395
MB 880-23395/1-A	Method Blank	Total/NA	Solid	8015B NM	23395
LCS 880-23395/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23395
LCSD 880-23395/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23395
890-2180-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	23395
890-2180-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	23395

Analysis Batch: 23431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2181-4	FS14	Total/NA	Solid	8015B NM	23323
MB 880-23323/1-A	Method Blank	Total/NA	Solid	8015B NM	23323
LCS 880-23323/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23323
LCSD 880-23323/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23323
890-2175-A-31-B MS	Matrix Spike	Total/NA	Solid	8015B NM	23323
890-2175-A-31-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	23323

Analysis Batch: 23530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method Prep Batch
890-2181-1	FS11	Total/NA	Solid	8015 NM
890-2181-2	FS12	Total/NA	Solid	8015 NM
890-2181-3	FS13	Total/NA	Solid	8015 NM
890-2181-4	FS14	Total/NA	Solid	8015 NM

HPLC/IC

Leach Batch: 23467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2181-1	FS11	Soluble	Solid	DI Leach	
MB 880-23467/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23467/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23467/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2180-A-2-D MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2180-A-2-E MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 23533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2181-2	FS12	Soluble	Solid	DI Leach	
890-2181-3	FS13	Soluble	Solid	DI Leach	
890-2181-4	FS14	Soluble	Solid	DI Leach	
MB 880-23533/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23533/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23533/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

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Client: WSP USA Inc. Job ID: 890-2181-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

HPLC/IC (Continued)

Leach Batch: 23533 (Continued)

١	Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
	890-2184-A-1-H MS	Matrix Spike	Soluble	Solid	DI Leach	
	890-2184-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 23681

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2181-1	FS11	Soluble	Solid	300.0	23467
MB 880-23467/1-A	Method Blank	Soluble	Solid	300.0	23467
LCS 880-23467/2-A	Lab Control Sample	Soluble	Solid	300.0	23467
LCSD 880-23467/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23467
890-2180-A-2-D MS	Matrix Spike	Soluble	Solid	300.0	23467
890-2180-A-2-E MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	23467

Analysis Batch: 23692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2181-2	FS12	Soluble	Solid	300.0	23533
890-2181-3	FS13	Soluble	Solid	300.0	23533
890-2181-4	FS14	Soluble	Solid	300.0	23533
MB 880-23533/1-A	Method Blank	Soluble	Solid	300.0	23533
LCS 880-23533/2-A	Lab Control Sample	Soluble	Solid	300.0	23533
LCSD 880-23533/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23533
890-2184-A-1-H MS	Matrix Spike	Soluble	Solid	300.0	23533
890-2184-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	23533

Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Job ID: 890-2181-1 SDG: 31403665.011 task 02

Client Sample ID: FS11

Date Collected: 04/08/22 14:40 Date Received: 04/11/22 11:01

Lab Sample ID: 890-2181-1

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			4.97 g	5 mL	23399	04/12/22 14:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23365	04/13/22 02:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23463	04/13/22 11:39	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23530	04/14/22 13:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 15:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	23467	04/13/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			23681	04/16/22 17:41	CH	XEN MID

Client Sample ID: FS12 Lab Sample ID: 890-2181-2

Date Collected: 04/08/22 14:45

Date Received: 04/11/22 11:01

Matrix: Solid

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			5.02 g	5 mL	23399	04/12/22 14:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23365	04/13/22 02:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23463	04/13/22 11:39	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23530	04/14/22 13:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 16:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23533	04/14/22 13:53	SC	XEN MID
Soluble	Analysis	300.0		1			23692	04/16/22 16:55	CH	XEN MID

Client Sample ID: FS13 Lab Sample ID: 890-2181-3

Date Collected: 04/08/22 14:50 Date Received: 04/11/22 11:01

	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	23399	04/12/22 14:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23365	04/13/22 02:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23463	04/13/22 11:39	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23530	04/14/22 13:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 16:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	23533	04/14/22 13:53	SC	XEN MID
Soluble	Analysis	300.0		1			23692	04/16/22 17:04	CH	XEN MID

Client Sample ID: FS14 Lab Sample ID: 890-2181-4

Date Collected: 04/08/22 14:55 Date Received: 04/11/22 11:01

	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	23399	04/12/22 14:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23365	04/13/22 03:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23463	04/13/22 11:39	AJ	XEN MID

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Lab Chronicle

Client: WSP USA Inc.

Job ID: 890-2181-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

Client Sample ID: FS14 Lab Sample ID: 890-2181-4

Date Collected: 04/08/22 14:55

Date Received: 04/11/22 11:01

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			23530	04/14/22 13:42	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	23323	04/12/22 11:00	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23431	04/13/22 16:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	23533	04/14/22 13:53	SC	XEN MID
Soluble	Analysis	300.0		1			23692	04/16/22 17:13	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP USA Inc.

Job ID: 890-2181-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-21-22	06-30-22
The following analytes	are included in this report, bu	it the laboratory is not certifi	ed by the governing authority. This list ma	av include analytes for w
the agency does not of	fer certification.	,	ou by the generaling during, the notine	ay molado analytoo for th
the agency does not of Analysis Method	fer certification . Prep Method	Matrix	Analyte	ay molado analytoo lor u
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Method Summary

Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Job ID: 890-2181-1

SDG: 31403665.011 task 02

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

Protocol References:

ASTM = ASTM International

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Job ID: 890-2181-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2181-1	FS11	Solid	04/08/22 14:40	04/11/22 11:01	4
890-2181-2	FS12	Solid	04/08/22 14:45	04/11/22 11:01	4
890-2181-3	FS13	Solid	04/08/22 14:50	04/11/22 11:01	4
890-2181-4	FS14	Solid	04/08/22 14:55	04/11/22 11:01	4

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niect Manager)
nager.	(EX
Travis Casev	XENCO

Company Name:

508 W Stevens St WSP USA

Chain of Custody

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

Bill to: (if different)

Company Name:

Michael Gant Lucid Energy Group

Reporting:Level II ☐ST/UST ☐RRP

□vel IV

Program: UST/PST DRP Brownfields RC

Juperfund

www.xenco.com

Work Order Comments

State of Project:

Dougland Data 051 A19 Day 2019 1			0								
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			2	2	de:II.h		10	lor Cus		V	Obyg
Date/Time	Received by: (Signature)	Relinquished by: (Signature)		Date/Time	D	9)	Received by: (Signature)	Received b	ture)	Relinquished by: (Signature)	Relinquis
	It assigns standard terms and conditions e due to circumstances beyond the control forced unless previously negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$75 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	ico, its affil icurred by t not analy:	any to Xen xpenses ir Xenco, bu	lient comp losses or e bmitted to	ase order from c nsibility for any l each sample sul	les a valid purch sume any respoi charge of \$5 for	samples constitu s and shall not as ach project and a	and relinquishment of a for the cost of sample on will be applied to e	e of this document to will be liable only imum charge of \$7.	tice: Signatur service. Xeno Xenco. A min
Na Sr Tl Sn U V Zn 1631/245.1/7470/7471:Hg	K Se Ag SiO2	B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Be B	Sb As Ba Be Sb As Ba Be		CRA 13PPM Texas 11 AITCLP / SPLP 6010: 8RCRA	BRCRA 13PPM TCLP / SPLP 6	<u>ه</u>	otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	Total 200.7 / 6010 Circle Method(s) and	Total 20 Circle
	:										
					\perp						
Composite			×	×	-		14:55	04/08/22	S	FS14	
Composite			×	×	-		14:50 4'	04/08/22	S	FS13	
Composite			×	×	-		14:45 4	04/08/22	S	FS12	
Composite			×	×	×		14:40 4	04/08/22	S	FS11	
Sample Comments	Sa		Chloric	-	Numb	Depth	Time Sampled	Date Sampled	n Matrix	Sample Identification	Sam
lab, if received by 4:30pm		-	le (E				Total Containers:	Total	Yes No NA	_	Sample Custody Seals:
TAT starts the day recevied by the		890-2181 Chain of Custody	PA 300.	0=8021	Conta	0	Correction Factor: -	Correc	Yes No N/A		Received Intact: Cooler Custody Seals:
			0))	iner		Thermometer ID	T.	5.8/5.6		Temperature (°C):
					5	Yes) No	Wet ice: Kes	(Yes) No	Temp Blank:	SAMPLE RECEIPT	SAMPLE
						ate:	Due Date:		Rotich.	me: Mercy Rotich	Sampler's Name:
							Rush:				P.O. Number:
						9	Routine	Task 02	31403665.011 Task 02	ber:	Project Number:
Work Order Notes	W	ANALYSIS REQUEST				Turn Around	Turn	Delivery	Road Runner Julian		Project Name:
Other:	Deliverables: EDD [_] ADAP!	Email: mgant@lucid-energy.com,Travis.Casey@wsp.com	avis.Cas	com, Tra	-energy.	ngant@lucid	Email: n		9-5949	575-689-5949	Phone:
			188210	Artesia, NM 88210		City, State ZIP:	0		Carlsbad, NM,88220		City, State ZIP:

Work Order No:

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-2181-1

SDC Number: 31403665 011 teck 03

SDG Number: 31403665.011 task 02

Login Number: 2181 List Source: Eurofins 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	

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Login Sample Receipt Checklist

Client: WSP USA Inc. Job Number: 890-2181-1

SDG Number: 31403665.011 task 02

Login Number: 2181 **List Source: Eurofins Midland** List Number: 2 Creator: Rodriguez, Leticia

List Creation: 04/12/22 11:16 AM

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

Released to Imaging: 6/16/2022 11:36:27 AM

<6mm (1/4").



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2184-1

Laboratory Sample Delivery Group: 31403665.011 task 02

Client Project/Site: Road Runner Delivery

For:

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

Attn: Travis Casey

JURAMER

Authorized for release by: 4/18/2022 4:09:17 PM

Jessica Kramer, Project Manager (432)704-5440

Jessica.Kramer@et.eurofinsus.com

LINKS

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Have a Question?



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www.eurofinsus.com/Env

Released to Imaging: 6/16/2022 11:36:27 AM

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

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

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Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Laboratory Job ID: 890-2184-1

SDG: 31403665.011 task 02

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Definitions/Glossary

Client: WSP USA Inc.

Job ID: 890-2184-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

Qualifiers

GC VOA

 Qualifier
 Qualifier Description

 *+
 LCS and/or LCSD is outside acceptance limits, high biased.

 U
 Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description	1	

*1 LCS/LCSD RPD exceeds control limits.

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

HPLC/IC

U Indicates the analyte was analyzed for but not detected.

Glossary

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

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

%R Percent Recovery
CFL Contains Free Liquid
CFU Colony Forming Unit

CFU Colony Forming Unit
CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac Dilution Factor

DL Detection Limit (DoD/DOE)

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

DLC Decision Level Concentration (Radiochemistry)

EDL Estimated Detection Limit (Dioxin)

LOD Limit of Detection (DoD/DOE)

LOQ Limit of Quantitation (DoD/DOE)

MCL EPA recommended "Maximum Contaminant Level"

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

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

NC Not Calculated

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

 NEG
 Negative / Absent

 POS
 Positive / Present

 PQL
 Practical Quantitation Limit

PRES Presumptive
QC Quality Control

RER Relative Error Ratio (Radiochemistry)

RL Reporting Limit or Requested Limit (Radiochemistry)

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

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

TNTC Too Numerous To Count

Eurofins Carlsbad

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Case Narrative

Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Job ID: 890-2184-1

SDG: 31403665.011 task 02

Job ID: 890-2184-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative 890-2184-1

Receipt

The samples were received on 4/11/2022 4:04 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 5.3°C

GC VOA

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-23548 and analytical batch 880-23567 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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

GC Semi VOA

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-23434 and analytical batch 880-23435 recovered outside control limits for the following analytes: <AffectedAnalytes>.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-23451/2-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Lab Sample ID: 890-2184-1

Client Sample Results

Client: WSP USA Inc. Job ID: 890-2184-1

Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: FS15 Date Collected: 04/11/22 11:40 Date Received: 04/11/22 16:04

Sample Depth: 6

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 04:24	1
Toluene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 04:24	1
Ethylbenzene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 04:24	1
m-Xylene & p-Xylene	<0.00404	U *+	0.00404	mg/Kg		04/14/22 14:57	04/16/22 04:24	1
o-Xylene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 04:24	1
Xylenes, Total	<0.00404	U *+	0.00404	mg/Kg		04/14/22 14:57	04/16/22 04:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			04/14/22 14:57	04/16/22 04:24	1
1,4-Difluorobenzene (Surr)	100		70 - 130			04/14/22 14:57	04/16/22 04:24	1
Method: Total BTEX - Total BTE	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			04/18/22 15:15	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			04/14/22 13:25	1
Method: 8015B NM - Diesel Ran	ge Organics (D	RO) (GC)						
Analyte	Result	Qualifier	D.					
	itesuit	Quanner	RL	Unit	D	Prepared	Analyzed	Dil Fac
5 5	<49.9		49.9	mg/Kg	<u>D</u>	Prepared 04/13/22 09:18	Analyzed 04/13/22 16:38	Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over		U *1			<u>D</u>	<u>.</u>		
Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36)	<49.9	U *1	49.9	mg/Kg	<u>D</u>	04/13/22 09:18	04/13/22 16:38	1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 <49.9	U*1 U*1 U	49.9	mg/Kg	<u>D</u>	04/13/22 09:18 04/13/22 09:18	04/13/22 16:38 04/13/22 16:38	1 1
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	<49.9 <49.9	U*1 U*1 U	49.9 49.9 49.9	mg/Kg	<u>D</u>	04/13/22 09:18 04/13/22 09:18 04/13/22 09:18	04/13/22 16:38 04/13/22 16:38 04/13/22 16:38	1 1 1 Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate	<49.9 <49.9 <49.9 %Recovery	U*1 U*1 U	49.9 49.9 49.9 <i>Limits</i>	mg/Kg	<u>D</u>	04/13/22 09:18 04/13/22 09:18 04/13/22 09:18 Prepared	04/13/22 16:38 04/13/22 16:38 04/13/22 16:38 Analyzed	1 1 1 Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<49.9 <49.9 <49.9 <80.9 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00 <80.00	U *1 U *1 U Qualifier	49.9 49.9 49.9 Limits 70 - 130	mg/Kg	<u>D</u>	04/13/22 09:18 04/13/22 09:18 04/13/22 09:18 Prepared 04/13/22 09:18	04/13/22 16:38 04/13/22 16:38 04/13/22 16:38 Analyzed 04/13/22 16:38	1 1 1 1 Dil Fac
(GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<49.9 <49.9 <49.9 **Recovery 102 106 comatography -	U *1 U *1 U Qualifier	49.9 49.9 49.9 Limits 70 - 130	mg/Kg	<u>D</u>	04/13/22 09:18 04/13/22 09:18 04/13/22 09:18 Prepared 04/13/22 09:18	04/13/22 16:38 04/13/22 16:38 04/13/22 16:38 Analyzed 04/13/22 16:38	1 1 1 1 Dil Fac

Client Sample ID: FS16 Lab Sample ID: 890-2184-2 Matrix: Solid

Date Collected: 04/11/22 13:05 Date Received: 04/11/22 16:04

Sample Depth: 7

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+	0.00201	mg/Kg		04/14/22 14:57	04/16/22 04:45	1
Toluene	<0.00201	U *+	0.00201	mg/Kg		04/14/22 14:57	04/16/22 04:45	1
Ethylbenzene	<0.00201	U *+	0.00201	mg/Kg		04/14/22 14:57	04/16/22 04:45	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402	mg/Kg		04/14/22 14:57	04/16/22 04:45	1
o-Xylene	<0.00201	U *+	0.00201	mg/Kg		04/14/22 14:57	04/16/22 04:45	1
Xylenes, Total	<0.00402	U *+	0.00402	mg/Kg		04/14/22 14:57	04/16/22 04:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130			04/14/22 14:57	04/16/22 04:45	1

Lab Sample ID: 890-2184-2

Client: WSP USA Inc.

Job ID: 890-2184-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: FS16

Date Collected: 04/11/22 13:05 Date Received: 04/11/22 16:04

Sample Depth: 7

Method: 8021B - Volatile Organic Compounds	(GC) (Continued)
Method. 002 1D - Volatile Organic Compounds	(OO) (Oolillillided)

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1.4-Difluorobenzene (Surr)	98	70 - 130	04/14/22 14:57	04/16/22 04:45	1

Mathad:	Total	RTFY -	Total	RTFY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	ma/Ka			04/18/22 15:15	1

Mothod: 9015 NM - Diocol Pango Oro	rapice (DPO) (CC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8	ma/Ka			04/14/22 13:25	1

Method: 8015B	NM Discol	Dange Ore	aaniee (DD()) (CC)
MICHIOU. OU IOD	INIVI - DIESEI	Rallue Oli	ualiics lunc	JI (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U *1	49.8	mg/Kg		04/13/22 09:18	04/13/22 16:59	1
Diesel Range Organics (Over C10-C28)	<49.8	U *1	49.8	mg/Kg		04/13/22 09:18	04/13/22 16:59	1
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		04/13/22 09:18	04/13/22 16:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	76Recovery Qualifier	LIIIIIS	Prepareu	Allalyzeu	DII Fac
1-Chlorooctane	113	70 - 130	04/13/22 09:18	04/13/22 16:59	1
o-Terphenyl	116	70 - 130	04/13/22 09:18	04/13/22 16:59	1
_					

Method: 300.0 - Anions,	lon Chromatogra	phy - Soluble

	Analyte	Result Qual		Unit	D	Prepared	Analyzed	Dil Fac
l	Chloride	17.1	5.04	mg/Kg			04/16/22 17:50	1

Client Sample ID: FS17 Lab Sample ID: 890-2184-3 **Matrix: Solid**

Date Collected: 04/11/22 13:10 Date Received: 04/11/22 16:04

Sample Depth: 7

Method: 8021B - Volatile Organic Compounds (GC)

Michiga. 002 1D - Volatile Orga	ine compounds	mus (00)							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 05:05	1	
Toluene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 05:05	1	
Ethylbenzene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 05:05	1	
m-Xylene & p-Xylene	<0.00403	U *+	0.00403	mg/Kg		04/14/22 14:57	04/16/22 05:05	1	
o-Xylene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 05:05	1	
Xylenes, Total	<0.00403	U *+	0.00403	mg/Kg		04/14/22 14:57	04/16/22 05:05	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	99		70 - 130			04/14/22 14:57	04/16/22 05:05	1	
1,4-Difluorobenzene (Surr)	99		70 - 130			04/14/22 14:57	04/16/22 05:05	1	

Method: Total BTEX - Total BTEX Calculation

Released to Imaging: 6/16/2022 11:36:27 AM

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00403	U	0.00403	ma/Ka			04/18/22 15:15	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC	Method: 8015 NM -	- Diesel Range	Organics (DRO)	(GC
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Analyte	Result Qualific	er RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9	mg/Kg			04/14/22 13:25	1

Lab Sample ID: 890-2184-3

Client Sample Results

Client: WSP USA Inc.

Job ID: 890-2184-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

Client Sample ID: FS17

Date Collected: 04/11/22 13:10 Date Received: 04/11/22 16:04

Sample Depth: 7

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1	49.9	mg/Kg		04/13/22 09:18	04/13/22 17:41	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U *1	49.9	mg/Kg		04/13/22 09:18	04/13/22 17:41	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/13/22 09:18	04/13/22 17:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130			04/13/22 09:18	04/13/22 17:41	1
o-Terphenyl	115		70 - 130			04/13/22 09:18	04/13/22 17:41	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
		U	4.99	mg/Kg			04/16/22 17:59	

Client Sample ID: FS18

Lab Sample ID: 890-2184-4

Date Collected: 04/11/22 13:15

Matrix: Solid

Date Received: 04/11/22 16:04

Sample Depth: 7

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *+	0.00199	mg/Kg		04/14/22 14:57	04/16/22 05:26	1
Toluene	< 0.00199	U *+	0.00199	mg/Kg		04/14/22 14:57	04/16/22 05:26	1
Ethylbenzene	< 0.00199	U *+	0.00199	mg/Kg		04/14/22 14:57	04/16/22 05:26	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398	mg/Kg		04/14/22 14:57	04/16/22 05:26	1
o-Xylene	<0.00199	U *+	0.00199	mg/Kg		04/14/22 14:57	04/16/22 05:26	1
Xylenes, Total	<0.00398	U *+	0.00398	mg/Kg		04/14/22 14:57	04/16/22 05:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			04/14/22 14:57	04/16/22 05:26	1
1,4-Difluorobenzene (Surr)	100		70 - 130			04/14/22 14:57	04/16/22 05:26	1
Method: Total BTEX - Total BTE	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/Kg			04/18/22 15:15	1
- Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Method: 8015 NM - Diesel Range Analyte		O) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
_		Qualifier	RL 50.0	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 04/14/22 13:25	Dil Fac
Analyte	Result < 50.0	Qualifier U			<u>D</u>	Prepared		
Analyte Total TPH Method: 8015B NM - Diesel Rang	Result <50.0	Qualifier U			<u>D</u>	Prepared Prepared		
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Result <50.0	Qualifier U RO) (GC) Qualifier	50.0	mg/Kg		<u> </u>	04/14/22 13:25	1
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0 Ge Organics (Dige Result <50.0)	Qualifier U RO) (GC) Qualifier U *1	50.0 RL 50.0	mg/Kg Unit mg/Kg		Prepared 04/13/22 09:18	04/14/22 13:25 Analyzed 04/13/22 18:02	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result <50.0 Ge Organics (Dige Result	Qualifier U RO) (GC) Qualifier U *1	50.0	mg/Kg		Prepared	04/14/22 13:25 Analyzed	1 Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <50.0 Ge Organics (Dige Result <50.0)	Qualifier U RO) (GC) Qualifier U *1 U *1	50.0 RL 50.0	mg/Kg Unit mg/Kg		Prepared 04/13/22 09:18	04/14/22 13:25 Analyzed 04/13/22 18:02	Dil Fac
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <50.0	Qualifier U RO) (GC) Qualifier U *1 U *1	50.0 RL 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 04/13/22 09:18 04/13/22 09:18	04/14/22 13:25 Analyzed 04/13/22 18:02 04/13/22 18:02	1 Dil Fac 1
Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0	Qualifier U RO) (GC) Qualifier U *1 U *1	50.0 RL 50.0 50.0 50.0	mg/Kg Unit mg/Kg mg/Kg		Prepared 04/13/22 09:18 04/13/22 09:18	04/14/22 13:25 Analyzed 04/13/22 18:02 04/13/22 18:02	1 Dil Fac 1 1

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Lab Sample ID: 890-2184-4

Client Sample Results

Client: WSP USA Inc. Job ID: 890-2184-1

Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: FS18 Date Collected: 04/11/22 13:15 Date Received: 04/11/22 16:04

Matrix: Solid Sample Depth: 7

Method: 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Dil Fac Analyte RL Unit D Prepared Analyzed 4.99 04/16/22 18:27 Chloride 6.73 mg/Kg

Client Sample ID: FS19 Lab Sample ID: 890-2184-5

Date Collected: 04/11/22 13:20 Date Received: 04/11/22 16:04

Sample Depth: 7

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 05:46	1
Toluene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 05:46	1
Ethylbenzene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 05:46	1
m-Xylene & p-Xylene	<0.00404	U *+	0.00404	mg/Kg		04/14/22 14:57	04/16/22 05:46	1
o-Xylene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 05:46	1
Xylenes, Total	<0.00404	U *+	0.00404	mg/Kg		04/14/22 14:57	04/16/22 05:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130			04/14/22 14:57	04/16/22 05:46	1
1,4-Difluorobenzene (Surr)	101		70 - 130			04/14/22 14:57	04/16/22 05:46	1
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404	mg/Kg			04/18/22 15:15	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			04/14/22 13:25	1
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U *1	50.0	mg/Kg		04/13/22 09:18	04/13/22 18:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0	mg/Kg		04/13/22 09:18	04/13/22 18:23	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/13/22 09:18	04/13/22 18:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			04/13/22 09:18	04/13/22 18:23	1
o-Terphenyl	114		70 - 130			04/13/22 09:18	04/13/22 18:23	1
Method: 300.0 - Anions, Ion Chro								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<4.97		4.97	mg/Kg			04/16/22 18:36	1

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Client Sample Results

Client: WSP USA Inc. Job ID: 890-2184-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: FS20 Lab Sample ID: 890-2184-6

Date Collected: 04/11/22 12:05 Matrix: Solid Date Received: 04/11/22 16:04

Sample Depth: 6

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 06:07	
Toluene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 06:07	
Ethylbenzene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 06:07	
m-Xylene & p-Xylene	<0.00404	U *+	0.00404	mg/Kg		04/14/22 14:57	04/16/22 06:07	
o-Xylene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 06:07	
Xylenes, Total	<0.00404	U *+	0.00404	mg/Kg		04/14/22 14:57	04/16/22 06:07	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	100		70 - 130			04/14/22 14:57	04/16/22 06:07	
1,4-Difluorobenzene (Surr)	99		70 - 130			04/14/22 14:57	04/16/22 06:07	
Method: Total BTEX - Total BTE	X Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00404	U	0.00404	mg/Kg			04/18/22 15:15	-
Total TPH	<50.0	U	50.0	mg/Kg			04/14/22 13:25	
	<50.0	U	50.0	mg/kg			04/14/22 13:23	
Method: 8015B NM - Diesel Rang								
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics	<50.0	U *1	50.0	mg/Kg		04/13/22 09:18	04/13/22 18:44	
(GRO)-C6-C10	<50.0	11*4	50.0			04/40/00 00:40		
		[] "]					04/40/00 40:44	
Diesel Range Organics (Over	\ 30.0	0 .	30.0	mg/Kg		04/13/22 09:18	04/13/22 18:44	
	<50.0		50.0	mg/Kg mg/Kg		04/13/22 09:18	04/13/22 18:44 04/13/22 18:44	
C10-C28) OII Range Organics (Over C28-C36)		U						
C10-C28) Oll Range Organics (Over C28-C36) Surrogate	<50.0	U	50.0			04/13/22 09:18	04/13/22 18:44	
C10-C28)	<50.0	U	50.0			04/13/22 09:18 Prepared	04/13/22 18:44 Analyzed	Dil F
C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	<50.0 	U Qualifier	50.0 Limits 70 - 130			04/13/22 09:18 Prepared 04/13/22 09:18	04/13/22 18:44 Analyzed 04/13/22 18:44	_ Dil Fa
C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	<50.0 **Recovery 111 114 omatography -	U Qualifier	50.0 Limits 70 - 130		D	04/13/22 09:18 Prepared 04/13/22 09:18	04/13/22 18:44 Analyzed 04/13/22 18:44	Dil Fa

Client Sample ID: SW01 Lab Sample ID: 890-2184-7

Date Collected: 04/11/22 10:20 Date Received: 04/11/22 16:04

Sample Depth: 0 - 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+	0.00201	mg/Kg		04/14/22 14:57	04/16/22 06:27	1
Toluene	<0.00201	U *+	0.00201	mg/Kg		04/14/22 14:57	04/16/22 06:27	1
Ethylbenzene	<0.00201	U *+	0.00201	mg/Kg		04/14/22 14:57	04/16/22 06:27	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402	mg/Kg		04/14/22 14:57	04/16/22 06:27	1
o-Xylene	<0.00201	U *+	0.00201	mg/Kg		04/14/22 14:57	04/16/22 06:27	1
Xylenes, Total	<0.00402	U *+	0.00402	mg/Kg		04/14/22 14:57	04/16/22 06:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130			04/14/22 14:57	04/16/22 06:27	

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Client: WSP USA Inc.

Job ID: 890-2184-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: SW01 Lab Sample ID: 890-2184-7

Date Collected: 04/11/22 10:20 Matrix: Solid Date Received: 04/11/22 16:04

Sample Depth: 0 - 4

Method: 8021B - Volatile Organic Compounds	(GC) (Continued)
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Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	99	70 - 130	04/14/22 14:57	04/16/22 06:27	1

Mathad:	Total	RTFY.	. Total	RTEY	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	ma/Ka			04/18/22 15:15	1

Mothod: 2015 NM	Diccol Pango	Organice	(DPO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Total TPH	<49.9	U	49 9	ma/Ka			04/14/22 13:25	1	

ALC: LOCATE NA	D: 1 D	•	(DDO) (
Method: 8015B NM	- Diesel Range	Organics	(DKO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	49.9	mg/Kg		04/13/22 09:18	04/13/22 19:05	1
Diesel Range Organics (Over C10-C28)	<49.9	U *1	49.9	mg/Kg		04/13/22 09:18	04/13/22 19:05	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/13/22 09:18	04/13/22 19:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113	70 - 130	04/13/22 09:18	04/13/22 19:05	1
o-Terphenyl	116	70 - 130	04/13/22 09:18	04/13/22 19:05	1

Method: 300.0 - Anions,	Ion Chromatography - Soluble	

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.2		4.97	mg/Kg			04/16/22 18:54	1

Client Sample ID: SW02 Lab Sample ID: 890-2184-8

Date Collected: 04/11/22 10:25 Date Received: 04/11/22 16:04

Sample Depth: 0 - 4

Method: 8021B - '	Volatila	Organic (Compounds	(CC)

mounda. our ib volutile orga	illo compoundo ((33)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *+	0.00200	mg/Kg		04/14/22 14:57	04/16/22 06:48	1
Toluene	<0.00200	U *+	0.00200	mg/Kg		04/14/22 14:57	04/16/22 06:48	1
Ethylbenzene	<0.00200	U *+	0.00200	mg/Kg		04/14/22 14:57	04/16/22 06:48	1
m-Xylene & p-Xylene	<0.00400	U *+	0.00400	mg/Kg		04/14/22 14:57	04/16/22 06:48	1
o-Xylene	<0.00200	U *+	0.00200	mg/Kg		04/14/22 14:57	04/16/22 06:48	1
Xylenes, Total	<0.00400	U *+	0.00400	mg/Kg		04/14/22 14:57	04/16/22 06:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130			04/14/22 14:57	04/16/22 06:48	1
1,4-Difluorobenzene (Surr)	99		70 - 130			04/14/22 14:57	04/16/22 06:48	1

Method:	Total RTF)	(- Total RTFX	Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	< 0.00400	U	0.00400	ma/Ka			04/18/22 15:15	1

Method: 8015 NM - Diesel Range Organics (DRO) (GC	Method: 8015 NM -	- Diesel Range	Organics (DRO)	(GC
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Analyte		(ualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	ı	49.9	mg/Kg			04/14/22 13:25	1

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Client: WSP USA Inc. Job ID: 890-2184-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: SW02 Lab Sample ID: 890-2184-8

Date Collected: 04/11/22 10:25 Matrix: Solid Date Received: 04/11/22 16:04

Sample Depth: 0 - 4

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U *1	49.9	mg/Kg		04/13/22 09:18	04/13/22 19:25	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<49.9	U *1	49.9	mg/Kg		04/13/22 09:18	04/13/22 19:25	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/13/22 09:18	04/13/22 19:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			04/13/22 09:18	04/13/22 19:25	1
o-Terphenyl	102		70 - 130			04/13/22 09:18	04/13/22 19:25	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
			D.	Unit	D	Duamanad	Amalumad	Dil Fac
Analyte	Result	Qualifier	RL	Unit	U	Prepared	Analyzed	DII Fac

Lab Sample ID: 890-2184-9 **Client Sample ID: SW03** Matrix: Solid

Date Collected: 04/11/22 10:30

Date Received: 04/11/22 16:04

Sample Depth: 0 - 7

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *+	0.00201	mg/Kg		04/14/22 14:57	04/16/22 07:08	1
Toluene	<0.00201	U *+	0.00201	mg/Kg		04/14/22 14:57	04/16/22 07:08	1
Ethylbenzene	<0.00201	U *+	0.00201	mg/Kg		04/14/22 14:57	04/16/22 07:08	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402	mg/Kg		04/14/22 14:57	04/16/22 07:08	1
o-Xylene	<0.00201	U *+	0.00201	mg/Kg		04/14/22 14:57	04/16/22 07:08	1
Xylenes, Total	<0.00402	U *+	0.00402	mg/Kg		04/14/22 14:57	04/16/22 07:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			04/14/22 14:57	04/16/22 07:08	1
1,4-Difluorobenzene (Surr)	101		70 - 130			04/14/22 14:57	04/16/22 07:08	1
- Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			04/18/22 15:15	1
Total BTEX Method: 8015 NM - Diesel Range			0.00402	mg/Kg			04/18/22 15:15	1
- -	Organics (DR		0.00402	mg/Kg Unit	D	Prepared	04/18/22 15:15 Analyzed	·
⊡ Method: 8015 NM - Diesel Range	Organics (DR	O) (GC) Qualifier			<u>D</u>	Prepared		Dil Fac
Method: 8015 NM - Diesel Range Analyte	Organics (DR Result <50.0	O) (GC) Qualifier	RL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH	Organics (DR Result <50.0	O) (GC) Qualifier	RL	Unit	D	Prepared Prepared	Analyzed	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics	Organics (DR Result <50.0	Qualifier U RO) (GC) Qualifier	RL 50.0	Unit mg/Kg			Analyzed 04/14/22 13:25	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Organics (DR Result <50.0 ge Organics (D Result <50.0	Qualifier U RO) (GC) Qualifier U U	RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 04/13/22 11:15	Analyzed 04/14/22 13:25 Analyzed 04/14/22 00:35	Dil Fac Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Organics (DR Result <50.0 ge Organics (D Result	Qualifier U RO) (GC) Qualifier U U		Unit mg/Kg		Prepared	Analyzed 04/14/22 13:25	Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Rang Analyte Gasoline Range Organics (GRO)-C6-C10	Organics (DR Result <50.0 ge Organics (D Result <50.0	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0	Unit mg/Kg Unit mg/Kg		Prepared 04/13/22 11:15	Analyzed 04/14/22 13:25 Analyzed 04/14/22 00:35	Dil Fac Dil Fac
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Organics (DR Result <50.0 ge Organics (D Result <50.0 <50.0	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 04/13/22 11:15 04/13/22 11:15	Analyzed 04/14/22 13:25 Analyzed 04/14/22 00:35 04/14/22 00:35	Dil Fac Dil Fac 1 1 1
Method: 8015 NM - Diesel Range Analyte Total TPH Method: 8015B NM - Diesel Range Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Organics (DR Result <50.0	Qualifier U RO) (GC) Qualifier U U U U	RL 50.0 RL 50.0 50.0 50.0	Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 04/13/22 11:15 04/13/22 11:15	Analyzed 04/14/22 13:25 Analyzed 04/14/22 00:35 04/14/22 00:35	Dil Fac Dil Fac 1

Lab Sample ID: 890-2184-9

Job ID: 890-2184-1

Client: WSP USA Inc. Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: SW03

Date Collected: 04/11/22 10:30 Date Received: 04/11/22 16:04

Sample Depth: 0 - 7

Method: 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	20.1		5.00	mg/Kg			04/16/22 19:13	1

Client Sample ID: SW04 Lab Sample ID: 890-2184-10 Matrix: Solid

Date Collected: 04/11/22 10:35 Date Received: 04/11/22 16:04

Method: 8021B - Volatile Organic	Compounds (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 07:29	
Toluene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 07:29	
Ethylbenzene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 07:29	
m-Xylene & p-Xylene	<0.00403	U *+	0.00403	mg/Kg		04/14/22 14:57	04/16/22 07:29	
o-Xylene	<0.00202	U *+	0.00202	mg/Kg		04/14/22 14:57	04/16/22 07:29	
Xylenes, Total	<0.00403	U *+	0.00403	mg/Kg		04/14/22 14:57	04/16/22 07:29	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	105		70 - 130			04/14/22 14:57	04/16/22 07:29	
1,4-Difluorobenzene (Surr)	102		70 - 130			04/14/22 14:57	04/16/22 07:29	
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00403	U	0.00403	mg/Kg			04/18/22 15:15	
Method: 8015 NM - Diesel Range	Organics (DR)	O) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9	mg/Kg			04/14/22 13:25	
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/13/22 11:15	04/14/22 01:16	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/13/22 11:15	04/14/22 01:16	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/13/22 11:15	04/14/22 01:16	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	89		70 - 130			04/13/22 11:15	04/14/22 01:16	
o-Terphenyl	104		70 - 130			04/13/22 11:15	04/14/22 01:16	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-2184-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

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)	
890-2183-A-1-F MS	Matrix Spike	99	104	
890-2183-A-1-G MSD	Matrix Spike Duplicate	100	104	
890-2184-1	FS15	101	100	
890-2184-2	FS16	98	98	
890-2184-3	FS17	99	99	
890-2184-4	FS18	101	100	
890-2184-5	FS19	105	101	
890-2184-6	FS20	100	99	
890-2184-7	SW01	101	99	
890-2184-8	SW02	101	99	
890-2184-9	SW03	104	101	
890-2184-10	SW04	105	102	
LCS 880-23548/1-A	Lab Control Sample	96	103	
_CSD 880-23548/2-A	Lab Control Sample Dup	98	104	
MB 880-23548/5-A	Method Blank	100	96	
MB 880-23549/5-A	Method Blank	95	92	

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-13634-A-1-B MS	Matrix Spike	80	88	
380-13634-A-1-C MSD	Matrix Spike Duplicate	81	88	
390-2183-A-1-C MS	Matrix Spike	83	75	
390-2183-A-1-D MSD	Matrix Spike Duplicate	97	86	
890-2184-1	FS15	102	106	
890-2184-2	FS16	113	116	
890-2184-3	FS17	113	115	
890-2184-4	FS18	119	123	
890-2184-5	FS19	110	114	
890-2184-6	FS20	111	114	
890-2184-7	SW01	113	116	
890-2184-8	SW02	97	102	
890-2184-9	SW03	90	106	
890-2184-10	SW04	89	104	
LCS 880-23434/2-A	Lab Control Sample	98	89	
LCSD 880-23434/3-A	Lab Control Sample Dup	125	111	
MB 880-23434/1-A	Method Blank	101	107	
Surrogate Legend				

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Surrogate Summary

Client: WSP USA Inc.

Job ID: 890-2184-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

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

Matrix: Solid Prep Type: Total/NA

-				Percent Surrogate Recovery (Acceptance Limits)
		1CO2	OTPH2	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
LCS 880-23451/2-A	Lab Control Sample	110	134 S1+	
LCSD 880-23451/3-A	Lab Control Sample Dup	104	126	
MB 880-23451/1-A	Method Blank	91	111	
Surrogate Legend				
1CO = 1-Chlorooctane				
OTPH = o-Terphenyl				

Client: WSP USA Inc. Job ID: 890-2184-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-23548/5-A

Matrix: Solid

Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene

o-Xylene

Xylenes, Total

Analysis Batch: 23567

Client	Sample	ID:	Method	Blank

04/15/22 23:37

04/15/22 23:37

Prep Type: Total/NA

Prep Batch: 23548

MB	MB						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00200	U	0.00200	mg/Kg	_	04/14/22 14:57	04/15/22 23:37	1
<0.00200	U	0.00200	mg/Kg		04/14/22 14:57	04/15/22 23:37	1
<0.00200	U	0.00200	mg/Kg		04/14/22 14:57	04/15/22 23:37	1
<0.00400	U	0.00400	mg/Kg		04/14/22 14:57	04/15/22 23:37	1

mg/Kg

mg/Kg

MB MB

<0.00200 U

<0.00400 U

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	04/14/22 14:57	04/15/22 23:37	1
1 4-Difluorobenzene (Surr)	96		70 - 130	04/14/22 14:57	04/15/22 23:37	1

0.00200

0.00400

Lab Sample ID: LCS 880-23548/1-A **Client Sample ID: Lab Control Sample**

Matrix: Solid

Analysis Batch: 23567

Prep Type: Total/NA Prep Batch: 23548 Spike LCS LCS

04/14/22 14:57

04/14/22 14:57

Analyte Added Result Qualifier Unit %Rec Limits Benzene 0.100 0.1414 *+ mg/Kg 141 70 - 130 0.1278 Toluene 0.100 mg/Kg 128 70 - 130 0.100 0.1105 Ethylbenzene mg/Kg 111 70 - 130 0.200 0.2272 70 - 130 m-Xylene & p-Xylene mg/Kg 114 0.100 0.1110 70 - 130 o-Xylene mg/Kg 111

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: LCSD 880-23548/2-A Client Sample ID: Lab Control Sample Dup Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 23567

						•				
	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.100	0.1390	*+	mg/Kg		139	70 - 130	2	35	
Toluene	0.100	0.1249		mg/Kg		125	70 - 130	2	35	
Ethylbenzene	0.100	0.1093		mg/Kg		109	70 - 130	1	35	
m-Xylene & p-Xylene	0.200	0.2255		mg/Kg		113	70 - 130	1	35	
o-Xylene	0.100	0.1083		mg/Kg		108	70 - 130	3	35	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		70 - 130
1 4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-2183-A-1-F MS

Matrix: Solid

Analysis Batch: 23567

Client Sam	ple ID: Matrix Spike	
	Prep Type: Total/NA	

Prep Batch: 23548

Prep Batch: 23548

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00199	U *+	0.100	0.1175		mg/Kg	_	117	70 - 130	
Toluene	< 0.00199	U *+	0.100	0.1062		mg/Kg		105	70 - 130	

Client: WSP USA Inc. Job ID: 890-2184-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

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

Lab Sample ID: 890-2183-A-1-F MS

Lab Sample ID: 890-2183-A-1-G MSD

Matrix: Solid

Matrix: Solid

Analysis Batch: 23567

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 23548

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits Ethylbenzene <0.00199 U *+ 0.100 0.09053 89 70 - 130 mg/Kg m-Xylene & p-Xylene <0.00398 U*+ 0.200 0.1878 mg/Kg 93 70 - 130 <0.00199 U*+ 0.100 o-Xylene 0.09290 mg/Kg 91 70 - 130

MS MS

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 23548

Analysis Batch: 23567 Sample Sample Spike MSD MSD Result Qualifier Added Result Qualifier RPD Limit Analyte Unit %Rec Limits 0.101 Benzene <0.00199 U*+ 0.1289 mg/Kg 128 70 - 130 9 35 0.101 Toluene <0.00199 U *+ 0.1164 mg/Kg 114 70 - 130 35 Ethylbenzene <0.00199 U*+ 0.101 0.1004 mg/Kg 98 70 - 130 10 35 0.202 0.2071 70 - 130 35 m-Xylene & p-Xylene <0.00398 U*+ mg/Kg 101 10 0.101 <0.00199 U*+ 0.1011 70 - 130 o-Xylene mg/Kg 99 8

MSD MSD

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	100	70 - 130
1,4-Difluorobenzene (Surr)	104	70 - 130

Lab Sample ID: MB 880-23549/5-A

Matrix: Solid

Analysis Batch: 23567

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23549

MB MB

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/14/22 15:07	04/15/22 12:22	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/14/22 15:07	04/15/22 12:22	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/14/22 15:07	04/15/22 12:22	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/14/22 15:07	04/15/22 12:22	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/14/22 15:07	04/15/22 12:22	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/14/22 15:07	04/15/22 12:22	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130	04/14/22 15:07	04/15/22 12:22	1
1,4-Difluorobenzene (Surr)	92		70 - 130	04/14/22 15:07	04/15/22 12:22	1

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

Lab Sample ID: MB 880-23434/1-A

Matrix: Solid

Analysis Batch: 23435

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 23434

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		04/13/22 09:18	04/13/22 10:24	1

(GRO)-C6-C10

o-Terphenyl

1-Chlorooctane

o-Terphenyl

o-Terphenyl

Client: WSP USA Inc.

Job ID: 890-2184-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

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

107

98

89

75

Lab Sample ID: MB 880-23434/1-A	Client Sample ID: Method Blank
Matrix: Solid	Prep Type: Total/NA
Analysis Batch: 23435	Prep Batch: 23434
MR MR	

	IND	IVID						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/13/22 09:18	04/13/22 10:24	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/13/22 09:18	04/13/22 10:24	1
	МВ	MB						
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			04/13/22 09:18	04/13/22 10:24	1

70 - 130

Lab Sample ID: LCS 880-2343 Matrix: Solid Analysis Batch: 23435	4/2-A						Client	t Sample		itrol Sample pe: Total/N <i>I</i> satch: 23434
_			Spike	LCS	LCS				%Rec	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics			1000	838.6		mg/Kg		84	70 - 130	
(GRO)-C6-C10										
Diesel Range Organics (Over			1000	887.9		mg/Kg		89	70 - 130	
C10-C28)										
	LCS	LCS								
Surrogate	%Recovery	Qualifier	Limits							

70 - 130

70 - 130

Lab Sample ID: LCSD 880-23434/3-A			CI	ient Sar	nple ID:	Lab Contr	ol Sampl	e Dup	
Matrix: Solid	Prep Type: Total/NA								tal/NA
Analysis Batch: 23435		Prep Batch: 23434							23434
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	<u>D</u>	%Rec	Limits	RPD	Limit

Analyte		Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics		1000	1052	*1	mg/Kg		105	70 - 130	23	20
(GRO)-C6-C10										
Diesel Range Organics (Over		1000	1099	*1	mg/Kg		110	70 - 130	21	20
C10-C28)										
	LCSD LCSD									

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	111		70 - 130
_			

Lab Sample ID: 890-2183-A-1-C MS	Client Sample ID: Matrix Spike
Matrix: Solid	Prep Type: Total/NA

matrix. Cond									Пор	Type. Ic	, tuii ii
Analysis Batch: 23435									Pre	p Batch:	23434
	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		

	Sample	Sample	Spike	IVIO	IVIO				/orec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *1	1000	804.3		mg/Kg		80	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U *1	1000	775.2		mg/Kg		76	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	83		70 130							

Eurofins Carlsbad

70 - 130

Client Sample ID: Matrix Spike Duplicate

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

QC Sample Results

Client: WSP USA Inc. Job ID: 890-2184-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

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

86

Lab Sample ID: 890-2183-A-1-D MSD

Matrix: Solid

Prep Type: Total/NA Analysis Batch: 23435 Prep Batch: 23434 Med Med Comple Comple Chiles

	Sample	Sample	эріке	เพอบ	MISD				%Rec		KPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	<49.9	U *1	998	885.8		mg/Kg		89	70 - 130	10	20
(GRO)-C6-C10											
Diesel Range Organics (Over	<49.9	U *1	998	897.0		mg/Kg		88	70 - 130	15	20
C10-C28)											

MSD MSD %Recovery Qualifier Limits Surrogate 70 - 130 1-Chlorooctane 97

Lab Sample ID: MB 880-23451/1-A Client Sample ID: Method Blank

70 - 130

Matrix: Solid

o-Terphenyl

Prep Type: Total/NA **Analysis Batch: 23429** Prep Batch: 23451 мв мв

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		04/13/22 11:15	04/13/22 19:46	1
(GRO)-C6-C10								
Diesel Range Organics (Over	<50.0	U	50.0	mg/Kg		04/13/22 11:15	04/13/22 19:46	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/13/22 11:15	04/13/22 19:46	1

MB MB %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 1-Chlorooctane 91 70 - 130 04/13/22 11:15 04/13/22 19:46 04/13/22 11:15 o-Terphenyl 111 70 - 130 04/13/22 19:46

Lab Sample ID: LCS 880-23451/2-A

Matrix: Solid

Analysis Batch: 23429							Prep	Batch: 23451
	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	957.4		mg/Kg		96	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1094		mg/Kg		109	70 - 130	
C10-C28)								

LCS LCS Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 110 70 - 130 o-Terphenyl 134 S1+

Lab Sample ID: LCSD 880-23451/3-A

Matrix: Solid

Analysis Batch: 23429						Prep	Batch:	23451	
	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics	1000	1046		mg/Kg		105	70 - 130	9	20
(GRO)-C6-C10									
Diesel Range Organics (Over	1000	933.8		mg/Kg		93	70 - 130	16	20
C10-C28)									

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Prep Type: Total/NA

Client: WSP USA Inc. Job ID: 890-2184-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

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

Lab Sample ID: LCSD 880-23451/3-A

Matrix: Solid

Analysis Batch: 23429

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 23451

LCSD LCSD

%Recovery Qualifier Surrogate Limits 1-Chlorooctane 104 70 - 130 o-Terphenyl 126 70 - 130

Lab Sample ID: 880-13634-A-1-B MS Client Sample ID: Matrix Spike

Matrix: Solid Prep Type: Total/NA Analysis Batch: 23429

Prep Batch: 23451 %Rec

Sample Sample Spike MS MS Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits <49.9 Ū 1000 822 4 82 70 - 130Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 789.7 72 71.4 mg/Kg 70 - 130C10-C28)

MS MS %Recovery Surrogate Qualifier Limits 80 70 - 130 1-Chlorooctane 88 70 - 130 o-Terphenyl

Lab Sample ID: 880-13634-A-1-C MSD Client Sample ID: Matrix Spike Duplicate

Matrix: Solid

Analysis Batch: 23429

Prep Type: Total/NA

Prep Batch: 23451

Sample Sample Spike MSD MSD RPD Analyte Result Qualifier hahhA Result Qualifier Unit %Rec Limits RPD Limit D Gasoline Range Organics <49.9 U 998 837.2 mg/Kg 84 70 - 130 2 20 (GRO)-C6-C10 Diesel Range Organics (Over 71.4 998 800.5 mg/Kg 73 70 - 130 20 C10-C28)

MSD MSD Surrogate %Recovery Qualifier Limits 70 - 130 1-Chlorooctane 81 o-Terphenyl 70 - 130 88

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-23533/1-A Client Sample ID: Method Blank **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 23692

мв мв Dil Fac Analyte Result Qualifier RL Unit D Prepared Analyzed Chloride <5.00 U 5.00 mg/Kg 04/16/22 14:46

Lab Sample ID: LCS 880-23533/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 23692

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	250	244.5		mg/Kg		98	90 - 110	

Client: WSP USA Inc. Job ID: 890-2184-1 SDG: 31403665.011 task 02 Project/Site: Road Runner Delivery

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-23533/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 23692

	Бріке	LC2D	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	250	242.4		mg/Kg	_	97	90 - 110	1	20

Lab Sample ID: 890-2184-1 MS **Client Sample ID: FS15 Matrix: Solid Prep Type: Soluble**

Analysis Batch: 23692

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	66.5		252	313.2	-	ma/Ka		98	90 - 110	

Lab Sample ID: 890-2184-1 MSD **Client Sample ID: FS15 Matrix: Solid Prep Type: Soluble**

Analysis Batch: 23692

Spike MSD MSD %Rec RPD Sample Sample Result Qualifier Added Result Qualifier Limit Analyte Unit Limits **RPD** Chloride 66.5 252 313.0 90 - 110 mg/Kg

Client: WSP USA Inc. Job ID: 890-2184-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

GC VOA

Prep Batch: 23548

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-2184-1	FS15	Total/NA	Solid	5035	
890-2184-2	FS16	Total/NA	Solid	5035	
890-2184-3	FS17	Total/NA	Solid	5035	
890-2184-4	FS18	Total/NA	Solid	5035	
890-2184-5	FS19	Total/NA	Solid	5035	
890-2184-6	FS20	Total/NA	Solid	5035	
890-2184-7	SW01	Total/NA	Solid	5035	
890-2184-8	SW02	Total/NA	Solid	5035	
890-2184-9	SW03	Total/NA	Solid	5035	
890-2184-10	SW04	Total/NA	Solid	5035	
MB 880-23548/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-23548/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-23548/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2183-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
890-2183-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 23549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-23549/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 23567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2184-1	FS15	Total/NA	Solid	8021B	23548
890-2184-2	FS16	Total/NA	Solid	8021B	23548
890-2184-3	FS17	Total/NA	Solid	8021B	23548
890-2184-4	FS18	Total/NA	Solid	8021B	23548
890-2184-5	FS19	Total/NA	Solid	8021B	23548
890-2184-6	FS20	Total/NA	Solid	8021B	23548
890-2184-7	SW01	Total/NA	Solid	8021B	23548
890-2184-8	SW02	Total/NA	Solid	8021B	23548
890-2184-9	SW03	Total/NA	Solid	8021B	23548
890-2184-10	SW04	Total/NA	Solid	8021B	23548
MB 880-23548/5-A	Method Blank	Total/NA	Solid	8021B	23548
MB 880-23549/5-A	Method Blank	Total/NA	Solid	8021B	23549
LCS 880-23548/1-A	Lab Control Sample	Total/NA	Solid	8021B	23548
LCSD 880-23548/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	23548
890-2183-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	23548
890-2183-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	23548

Analysis Batch: 23748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
890-2184-1	FS15	Total/NA	Solid	Total BTEX	
890-2184-2	FS16	Total/NA	Solid	Total BTEX	
890-2184-3	FS17	Total/NA	Solid	Total BTEX	
890-2184-4	FS18	Total/NA	Solid	Total BTEX	
890-2184-5	FS19	Total/NA	Solid	Total BTEX	
890-2184-6	FS20	Total/NA	Solid	Total BTEX	
890-2184-7	SW01	Total/NA	Solid	Total BTEX	
890-2184-8	SW02	Total/NA	Solid	Total BTEX	
890-2184-9	SW03	Total/NA	Solid	Total BTEX	
890-2184-10	SW04	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: WSP USA Inc.

Job ID: 890-2184-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

GC Semi VOA

Analysis Batch: 23429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2184-9	SW03	Total/NA	Solid	8015B NM	23451
890-2184-10	SW04	Total/NA	Solid	8015B NM	23451
MB 880-23451/1-A	Method Blank	Total/NA	Solid	8015B NM	23451
LCS 880-23451/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23451
LCSD 880-23451/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23451
880-13634-A-1-B MS	Matrix Spike	Total/NA	Solid	8015B NM	23451
880-13634-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	23451

Prep Batch: 23434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2184-1	FS15	Total/NA	Solid	8015NM Prep	
890-2184-2	FS16	Total/NA	Solid	8015NM Prep	
890-2184-3	FS17	Total/NA	Solid	8015NM Prep	
890-2184-4	FS18	Total/NA	Solid	8015NM Prep	
890-2184-5	FS19	Total/NA	Solid	8015NM Prep	
890-2184-6	FS20	Total/NA	Solid	8015NM Prep	
890-2184-7	SW01	Total/NA	Solid	8015NM Prep	
890-2184-8	SW02	Total/NA	Solid	8015NM Prep	
MB 880-23434/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-23434/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-23434/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2183-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2183-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 23435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2184-1	FS15	Total/NA	Solid	8015B NM	23434
890-2184-2	FS16	Total/NA	Solid	8015B NM	23434
890-2184-3	FS17	Total/NA	Solid	8015B NM	23434
890-2184-4	FS18	Total/NA	Solid	8015B NM	23434
890-2184-5	FS19	Total/NA	Solid	8015B NM	23434
890-2184-6	FS20	Total/NA	Solid	8015B NM	23434
890-2184-7	SW01	Total/NA	Solid	8015B NM	23434
890-2184-8	SW02	Total/NA	Solid	8015B NM	23434
MB 880-23434/1-A	Method Blank	Total/NA	Solid	8015B NM	23434
LCS 880-23434/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23434
LCSD 880-23434/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23434
890-2183-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	23434
890-2183-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	23434

Prep Batch: 23451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2184-9	SW03	Total/NA	Solid	8015NM Prep	
890-2184-10	SW04	Total/NA	Solid	8015NM Prep	
MB 880-23451/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-23451/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-23451/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-13634-A-1-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-13634-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: WSP USA Inc. Job ID: 890-2184-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

GC Semi VOA

Analysis Batch: 23528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2184-1	FS15	Total/NA	Solid	8015 NM	
890-2184-2	FS16	Total/NA	Solid	8015 NM	
890-2184-3	FS17	Total/NA	Solid	8015 NM	
890-2184-4	FS18	Total/NA	Solid	8015 NM	
890-2184-5	FS19	Total/NA	Solid	8015 NM	
890-2184-6	FS20	Total/NA	Solid	8015 NM	
890-2184-7	SW01	Total/NA	Solid	8015 NM	
890-2184-8	SW02	Total/NA	Solid	8015 NM	
890-2184-9	SW03	Total/NA	Solid	8015 NM	
890-2184-10	SW04	Total/NA	Solid	8015 NM	

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Leach Batch: 23533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2184-1	FS15	Soluble	Solid	DI Leach	
890-2184-2	FS16	Soluble	Solid	DI Leach	
890-2184-3	FS17	Soluble	Solid	DI Leach	
890-2184-4	FS18	Soluble	Solid	DI Leach	
890-2184-5	FS19	Soluble	Solid	DI Leach	
890-2184-6	FS20	Soluble	Solid	DI Leach	
890-2184-7	SW01	Soluble	Solid	DI Leach	
890-2184-8	SW02	Soluble	Solid	DI Leach	
890-2184-9	SW03	Soluble	Solid	DI Leach	
890-2184-10	SW04	Soluble	Solid	DI Leach	
MB 880-23533/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23533/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23533/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2184-1 MS	FS15	Soluble	Solid	DI Leach	
890-2184-1 MSD	FS15	Soluble	Solid	DI Leach	

Analysis Batch: 23692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2184-1	FS15	Soluble	Solid	300.0	23533
890-2184-2	FS16	Soluble	Solid	300.0	23533
890-2184-3	FS17	Soluble	Solid	300.0	23533
890-2184-4	FS18	Soluble	Solid	300.0	23533
890-2184-5	FS19	Soluble	Solid	300.0	23533
890-2184-6	FS20	Soluble	Solid	300.0	23533
890-2184-7	SW01	Soluble	Solid	300.0	23533
890-2184-8	SW02	Soluble	Solid	300.0	23533
890-2184-9	SW03	Soluble	Solid	300.0	23533
890-2184-10	SW04	Soluble	Solid	300.0	23533
MB 880-23533/1-A	Method Blank	Soluble	Solid	300.0	23533
LCS 880-23533/2-A	Lab Control Sample	Soluble	Solid	300.0	23533
LCSD 880-23533/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23533
890-2184-1 MS	FS15	Soluble	Solid	300.0	23533
890-2184-1 MSD	FS15	Soluble	Solid	300.0	23533

Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Job ID: 890-2184-1 SDG: 31403665.011 task 02

Lab Sample ID: 890-2184-1

Client Sample ID: FS15

Date Collected: 04/11/22 11:40 Date Received: 04/11/22 16:04

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			4.95 g	5 mL	23548	04/14/22 14:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23567	04/16/22 04:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23748	04/18/22 15:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23528	04/14/22 13:25	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23434	04/13/22 09:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23435	04/13/22 16:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	23533	04/14/22 13:53	SC	XEN MID
Soluble	Analysis	300.0		1			23692	04/16/22 17:22	CH	XEN MID

Client Sample ID: FS16 Lab Sample ID: 890-2184-2

Date Collected: 04/11/22 13:05 Date Received: 04/11/22 16:04

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			4.98 g	5 mL	23548	04/14/22 14:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23567	04/16/22 04:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23748	04/18/22 15:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23528	04/14/22 13:25	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	23434	04/13/22 09:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23435	04/13/22 16:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	23533	04/14/22 13:53	SC	XEN MID
Soluble	Analysis	300.0		1			23692	04/16/22 17:50	CH	XEN MID

Client Sample ID: FS17 Lab Sample ID: 890-2184-3

Date Collected: 04/11/22 13:10 Date Received: 04/11/22 16:04

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			4.96 g	5 mL	23548	04/14/22 14:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23567	04/16/22 05:05	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23748	04/18/22 15:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23528	04/14/22 13:25	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23434	04/13/22 09:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23435	04/13/22 17:41	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23533	04/14/22 13:53	SC	XEN MID
Soluble	Analysis	300.0		1			23692	04/16/22 17:59	CH	XEN MID

Client Sample ID: FS18 Lab Sample ID: 890-2184-4

Date Collected: 04/11/22 13:15 Date Received: 04/11/22 16:04

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			5.03 g	5 mL	23548	04/14/22 14:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23567	04/16/22 05:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23748	04/18/22 15:15	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.

Job ID: 890-2184-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

Client Sample ID: FS18 Lab Sample ID: 890-2184-4

Date Collected: 04/11/22 13:15

Date Received: 04/11/22 16:04

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			23528	04/14/22 13:25	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23434	04/13/22 09:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23435	04/13/22 18:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23533	04/14/22 13:53	SC	XEN MID
Soluble	Analysis	300.0		1			23692	04/16/22 18:27	CH	XEN MID

Client Sample ID: FS19 Lab Sample ID: 890-2184-5

Date Collected: 04/11/22 13:20 Date Received: 04/11/22 16:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	23548	04/14/22 14:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23567	04/16/22 05:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23748	04/18/22 15:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23528	04/14/22 13:25	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23434	04/13/22 09:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23435	04/13/22 18:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	23533	04/14/22 13:53	SC	XEN MID
Soluble	Analysis	300.0		1	0 mL	1.0 mL	23692	04/16/22 18:36	CH	XEN MID

Client Sample ID: FS20 Lab Sample ID: 890-2184-6

Date Collected: 04/11/22 12:05 Date Received: 04/11/22 16:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	23548	04/14/22 14:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23567	04/16/22 06:07	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23748	04/18/22 15:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23528	04/14/22 13:25	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23434	04/13/22 09:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23435	04/13/22 18:44	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	23533	04/14/22 13:53	SC	XEN MID
Soluble	Analysis	300.0		1			23692	04/16/22 18:45	CH	XEN MID

Client Sample ID: SW01 Lab Sample ID: 890-2184-7

Date Collected: 04/11/22 10:20 Date Received: 04/11/22 16:04

_	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	23548	04/14/22 14:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23567	04/16/22 06:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23748	04/18/22 15:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23528	04/14/22 13:25	AJ	XEN MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.02 g	10 mL	23434 23435	04/13/22 09:18 04/13/22 19:05	DM AJ	XEN MID XEN MID

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Matrix: Solid

Matrix: Solid

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Matrix: Solid

Lab Chronicle

Client: WSP USA Inc. Job ID: 890-2184-1 Project/Site: Road Runner Delivery SDG: 31403665.011 task 02

Client Sample ID: SW01 Lab Sample ID: 890-2184-7

Date Collected: 04/11/22 10:20 **Matrix: Solid** Date Received: 04/11/22 16:04

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.03 g	50 mL	23533	04/14/22 13:53	SC	XEN MID
Soluble	Analysis	300.0		1			23692	04/16/22 18:54	CH	XEN MID

Client Sample ID: SW02 Lab Sample ID: 890-2184-8

Date Collected: 04/11/22 10:25 Matrix: Solid

Date Received: 04/11/22 16:04

	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	23548	04/14/22 14:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23567	04/16/22 06:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23748	04/18/22 15:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23528	04/14/22 13:25	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	23434	04/13/22 09:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23435	04/13/22 19:25	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	23533	04/14/22 13:53	SC	XEN MID
Soluble	Analysis	300.0		1			23692	04/16/22 19:04	CH	XEN MID

Client Sample ID: SW03 Lab Sample ID: 890-2184-9

Date Collected: 04/11/22 10:30 **Matrix: Solid** Date Received: 04/11/22 16:04

Batch Dil Initial Final Batch Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 4.97 g 5 mL 23548 04/14/22 14:57 MR XEN MID 8021B Total/NA 5 mL 5 mL 04/16/22 07:08 XEN MID Analysis 23567 MR Total/NA Analysis Total BTEX 1 23748 04/18/22 15:15 ΑJ XEN MID Total/NA Analysis 8015 NM 1 23528 04/14/22 13:25 AJ XEN MID Prep Total/NA 8015NM Prep 10.01 g 10 mL 23451 04/13/22 11:15 DM XEN MID Total/NA Analysis 8015B NM 23429 04/14/22 00:35 AJ XEN MID Soluble Leach DI Leach 5 g 50 mL 23533 04/14/22 13:53 SC XEN MID Soluble Analysis 300.0 1 23692 04/16/22 19:13 CH XEN MID

Client Sample ID: SW04 Lab Sample ID: 890-2184-10

Date Collected: 04/11/22 10:35 Date Received: 04/11/22 16:04

	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	23548	04/14/22 14:57	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23567	04/16/22 07:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23748	04/18/22 15:15	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23528	04/14/22 13:25	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23451	04/13/22 11:15	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/14/22 01:16	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	23533	04/14/22 13:53	SC	XEN MID
Soluble	Analysis	300.0		1			23692	04/16/22 19:22	CH	XEN MID

Eurofins Carlsbad

Matrix: Solid

Lab Chronicle

Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Job ID: 890-2184-1 SDG: 31403665.011 task 02

Laboratory References:

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

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Accreditation/Certification Summary

Client: WSP USA Inc.

Job ID: 890-2184-1

Project/Site: Road Runner Delivery

SDG: 31403665.011 task 02

Laboratory: Eurofins Midland

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

Authority	Pr	ogram	Identification Number	Expiration Date
Texas	NE	ELAP	T104704400-21-22	06-30-22
The following analytes	are included in this report bu	it the laboratory is not certifi	ed by the governing authority. This list ma	y include analytes for
the agency does not of	• '	it the laboratory to het certain	ed by the governing additionty. This list the	ay include analytes for
,	• '	Matrix	Analyte	ay include analytes for
the agency does not of	fer certification.	•	, , ,	

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Method Summary

Client: WSP USA Inc.

Method

8021B

Total BTEX 8015 NM

8015B NM

8015NM Prep

DI Leach

300.0

5035

Project/Site: Road Runner Delivery

Method Description

Total BTEX Calculation

Microextraction

Volatile Organic Compounds (GC)

Diesel Range Organics (DRO) (GC)

Diesel Range Organics (DRO) (GC)

Deionized Water Leaching Procedure

Anions, Ion Chromatography

Closed System Purge and Trap

Job ID: 890-2184-1

SDG: 31403665.011 task 02

XEN MID

XEN MID

Protocol	Laboratory
SW846	XEN MID
TAL SOP	XEN MID
SW846	XEN MID
SW846	XEN MID
MCAWW	XEN MID
SW846	XEN MID

SW846

ASTM

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.

Project/Site: Road Runner Delivery

Job ID: 890-2184-1

SDG: 31403665.011 task 02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2184-1	FS15	Solid	04/11/22 11:40	04/11/22 16:04	6
890-2184-2	FS16	Solid	04/11/22 13:05	04/11/22 16:04	7
890-2184-3	FS17	Solid	04/11/22 13:10	04/11/22 16:04	7
890-2184-4	FS18	Solid	04/11/22 13:15	04/11/22 16:04	7
890-2184-5	FS19	Solid	04/11/22 13:20	04/11/22 16:04	7
890-2184-6	FS20	Solid	04/11/22 12:05	04/11/22 16:04	6
890-2184-7	SW01	Solid	04/11/22 10:20	04/11/22 16:04	0 - 4
890-2184-8	SW02	Solid	04/11/22 10:25	04/11/22 16:04	0 - 4
890-2184-9	SW03	Solid	04/11/22 10:30	04/11/22 16:04	0 - 7
890-2184-10	SW04	Solid	04/11/22 10:35	04/11/22 16:04	0 - 7

Work Order No:

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

		,,									
			4	(3
		2	1600	4.11.22	1:12		4	00/#			1,24
Date/Time	Received by: (Signature)	Relinquished by: (Signature)	в	Date/Time		re)	Received by: (Signature)	Received I)	y: (Signatur	Relinquished by: (Signature)
	It assigns standard terms and conditions re due to circumstances beyond the control morced unless previously negotiated.	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and condition of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the coordinate of Xenco. A minimum charge of \$75.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.	enco, its affili incurred by out not analyz	mpany to Xo or expenses to Xenco, b	y losses of submitted	chase order from consibility for an or each sample:	ites a valid pur ssume any resi a charge of \$5 t	samples constite s and shall not a ach project and	relinquishment of a the cost of sample will be applied to e	s document and be liable only for charge of \$75.00	Notice: Signature of thi of service. Xenco will I of Xenco. A minimum
1031/243.1/14/0/14/1:19		Ba Be Cd Cr Co Cu Fb Mn Mo Ni Se Ag II o	sa Be Co	Sb As t	18 BL	TCLP / SPLP 6010: 8HCHA	TCLP / SPI		Circle Method(s) and Metal(s) to be analyzed	od(s) and Me	Circle Metho
II Sn U V Zn	i K Se Ag SiO2	Cd Ca Cr Co Cu Fe Pb M	Ba Be B	As		PM Texas 11	8RCRA 13PPM	8 Ε	200.8 / 6020:	6010 200	Total 200.7 / 6010
Composite			×	×		0-7'	10:35	04/11/22	S	/04	SW04
Composite			×	×		0-7'	10:30	04/11/22	S	SW03	NS
Composite			×	×	-	0-4'	10:25	04/11/22	S	SW02	WS
Composite			×	×	-	0-4'	10:20	04/11/22	တ	SW01	WS
Composite			×	×	-1	ο̄	12:05	04/11/22	S	FS20	FS
Composite			×	×	-	7'	13:20	04/11/22	တ	FS19	FS
Composite			×	×	-	7'	13:15	04/11/22	တ	FS18	FS
Composite			×	×	-	7'	13:10	04/11/22	S	FS17	FS
Composite			×	×	-	7'	13:05	04/11/22	တ	FS16	FS
Composite			×	×	-	οĵ	11:40	04/11/22	S	FS15	FS
Sample Comments	φ		Chloric	TPH (E	Numb	Depth	Time Sampled	Date Sampled	Matrix	Sample Identification	Sample Id
lab, if received by 4:3upm	a	-	-	1	er of		Total Containers:	Tota	No NIA	eals: Yes	Sample Custody Seals:
TAT starts the day recevied by the		890-2184 Chain of Custody			f Co	7.0.7	Correction Factor:	Corre	No		Cooler Custody Seals:
					nta) - C	NM		Yes No		Received Intact:
			-		iner	Ē	Thermometer ID		5/5.3	, SJI	Temperature (°C):
					3	(Yes) No	Wet ice:	Yes No	Temp Blank:	EIPT	SAMPLE RECEIPT
	-					Date:	Due Date:		ich.	Mercy Rotich	Sampler's Name:
							Rush:				P.O. Number:
						пе Z	Routine	Task 02	31403665.011 Task 02	ω	Project Number:
Work Order Notes		ANALYSIS REQUEST				Turn Around	T _U		Road Runner Delivery	Road Run	Project Name:
Otner:	Deliverables: EDD	Email: mgant@lucid-energy.com,Travis.Casey@wsp.com	ravis.Cas	y.com,T	d-ener	mgant@luci	Email:		949	575-689-5949	Phone:
RRP Livel IV	Level III LST/UST	R	M 88210	Artesia, NM 88210		City, State ZIP:			NM,88220	Carlsbad, NM,88220	City, State ZIP:
]]]	1			201 S 4th		Address:			vens St	508 W Stevens	Address:
☐RC []superfund ☐	Program: UST/PST PRP Brownfields	P	ant	Michael Gant		Company Name:				WSP USA	Company Name:
nts	Work Order Comments		Lucid Energy Group	Lucid Ene		Bill to: (if different)			веу	Travis Casey	Project Manager:
ge1 of1	-2000) www.xenco.com Page	Midland, IX (432-704-3440) EL Fáso, IX (913)363-3443 Lubruck, IX (600)7-34-1650 Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)	Atlanta,GA	355-0900)	AZ (480-	, I X (432-704-5- 7550) Phoenix,	Midiano NM (575-392-	Hobbs,	7		-
		0 1 LL TV /002/704.1006	אני מכחירי	1 14 10	1					1	

Revised Date 051418 Rev 2018 1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-2184-1

SDG Number: 31403665.011 task 02

List Source: Eurofins Carlsbad

Login Number: 2184 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	

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4/18/2022

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-2184-1

SDG Number: 31403665.011 task 02

List On the Francisco Miller I

List Source: Eurofins Midland
List Number: 2
List Creation: 04/12/22 06:11 PM

Creator: Carlisle, Spring

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

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<6mm (1/4").

Received by OCD: 5/26/2022 11:01:41 AM State of New Mexico
Page 6 Oil Conservation Division

	Page 122 of 123
Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following	items must be included in the closure report.
☐ A scaled site and sampling diagram as described in 19.15.29	.11 NMAC
Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OE	OC District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regulatore, reclaim, and re-vegetate the impacted surface area to the caccordance with 19.15.29.13 NMAC including notification to the	lations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.
Printed Name: Michael Gant	
Signature: MGant	Date: 5/26/2022
Signature: MGant email: MGant@lucid-energy.com	Telephone: 3143307876
OCD Only	
Received by:	Date:
	y of liability should their operations have failed to adequately investigate and e water, human health, or the environment nor does not relieve the responsible d/or regulations.
Closure Approved by:	Date: _06/16/2022
Printed Name: Jennifer Nobui	Title: Environmental Specialist A

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

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

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

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 111086

CONDITIONS

Operator:	OGRID:
LUCID ENERGY DELAWARE, LLC	372422
201 S. Fourth Street	Action Number:
Artesia, NM 88210	111086
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	Condition	Condition
Ву		Date
jnobui	Closure Report Approved. Please note the release occurred 06/19/18. OCD requires a release to be addressed within 90 days after the release.	6/16/2022