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

March 14, 2022

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

RE: Closure Request
EVGSAU Satellite 3
Incident Number NAPP2125634309
Lea County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP) on behalf of ConocoPhillips Company, (COP) presents the following Closure Request detailing site assessment and soil sampling activities at the EVGSAU Satellite 3 (Site) in Unit J, Section 32, Township 17 South, Range 35 East, in Lea County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a liquid mist of crude oil and produced water from the flare stack at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, COP is submitting this Closure Request and requesting no further action (NFA) for Incident Number NAPP2125634309.

RELEASE BACKGROUND

On August 12, 2021, a release from the flare stack resulted in a liquid mist of approximately 0.57 barrels (bbls) of crude oil and 5.1 bbls of produced water onto the surface of the well pad. There were no freestanding fluids to recover. COP reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on August 12, 2021. The release was assigned Incident Number NAPP2125634309.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be between 50 feet and 100 feet below ground surface (bgs) based on the nearest groundwater well data. The nearest permitted groundwater well with depth to groundwater data is the New Mexico Office of the State Engineer (NMOSE) well L-07695, located approximately 0.3 miles southeast of the Site. The groundwater well has a reported depth to groundwater of 85 feet bgs and a total depth of 198 feet bgs. All wells used for depth to groundwater determination are depicted on Figure 1. The referenced well records are included in Attachment 1.

The closest continuously flowing or significant watercourse to the Site is a freshwater palustrine, located approximately 0.2 miles southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, or church. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

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

SITE ASSESSMENT ACTIVITIES

On November 10, 2021, WSP personnel visited the Site to evaluate the release and map the surface mist extent. On February 25, 2022, WSP returned to the Site to conduct site assessment activities. Assessment soil samples SS01 through SS19 were collected within and around the release extent from depths ranging from 0.25 feet to 0.5 feet bgs. Due to the surface mist nature of the release, shallow surface samples were collected to identify any potential impacts. Samples SS01 through SS09, SS14, SS18, and SS19 were collected within the mist area to assess for the presence or absence of impacted soil. Soil samples SS10 through SS13 and SS15 through SS17 were collected around the mist area to confirm the lateral extent of the mist release. The soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The mist extent and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was conducted during the Site visit. A photographic log is included in Attachment 2.

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

diesel range organics, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

SOIL ANALYTICAL RESULTS

Laboratory analytical results for soil samples SS01 through SS19 indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria. Additionally, laboratory analytical results for soil samples SS10 through SS13 and SS15 through SS17 provided lateral delineation to below the most stringent Table 1 Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 3.

CLOSURE REQUEST

Site assessment activities were conducted at the Site to address the August 12, 2021 mist release from the flare stack. Soil samples SS01 through SS09, SS14, SS18, and SS19 were collected within the surface mist area to assess for the presence or absence of soil impacts. Additionally, soil samples SS10 through SS13 and SS15 through SS17 were collected around the mist area to confirm the lateral extent of the release. Laboratory analytical results for the soil samples indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Site Closure Criteria and provided lateral delineation of the release to below the most stringent Table 1 Closure Criteria.

Based on soil sample laboratory analytical results compliant with the Closure Criteria, no impacted soil was identified, and no excavation was warranted as a result of the release. As such, COP respectfully requests no further action for Incident Number NAPP2125634309. If you have any questions or comments, please do not hesitate to contact Ms. Aimee Cole at (720) 384-7365. The final Form C-141 is included in Attachment 4.

Sincerely,

WSP USA Inc.

Hadlie Green
Assistant Consultant, Geologist

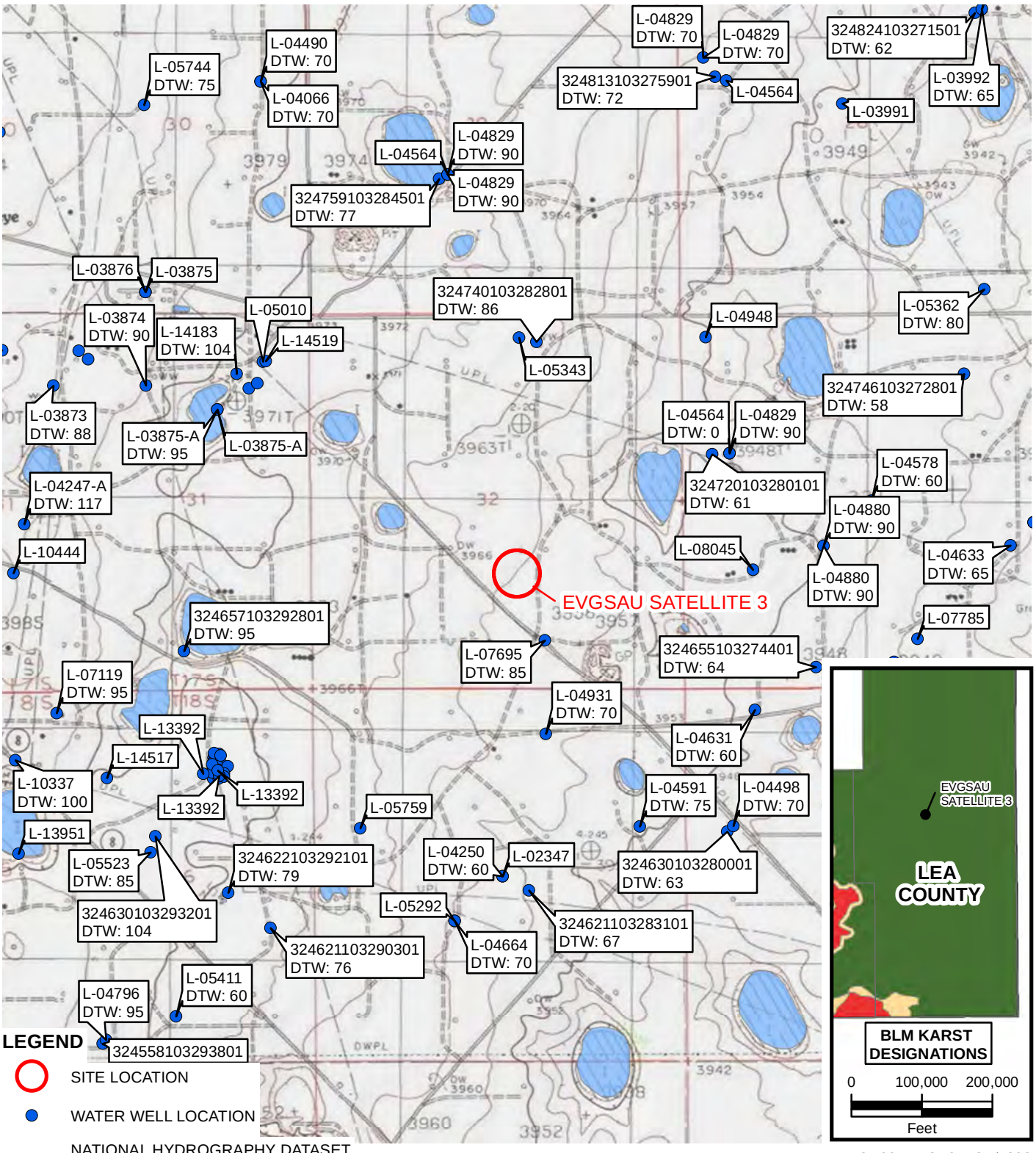
Aimee Cole
Sr. Consultant, Environmental Scientist

cc: Rahul Kaushik, COP

Attachments:

Figure 1	Site Location Map
Figure 2	Soil Sample Locations
Table 1	Soil Analytical Results
Attachment 1	Referenced Well Records
Attachment 2	Photographic Log
Attachment 3	Laboratory Analytical Reports
Attachment 4	Final C-141

FIGURES



LEGEND

- SITE LOCATION
- WATER WELL LOCATION
- NATIONAL HYDROGRAPHY DATASET SURFACE WATER FEATURE
- NATIONAL WETLANDS INVENTORY SURFACE WATER FEATURE
- LOW KARST
- MEDIUM KARST
- HIGH KARST

NOTE: INCIDENT NUMBER NAPP2125634309
DTW: DEPTH TO WATER IN FEET
BLM: BUREAU OF LAND MANAGEMENT

FIGURE 1
SITE LOCATION MAP
EVGSAU SATELLITE 3
UNIT J SEC 32 T17S R35E
LEA COUNTY, NEW MEXICO
CONOCOPHILLIPS

P:\Concho Operating\GIS\31403720.000.14_EVGSAU SATELLITE 3\MXD\31403720.000.14_FIG01_SL_RECEPTOR_2021.mxd

IMAGE COURTESY OF ESRI

LEGEND

- FLARE STACK
- PRELIMINARY SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- MIST AREA

0 100 200

Feet

N

NOTE: INCIDENT NUMBER NAPP2125634309
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

FIGURE 2
PRELIMINARY SOIL SAMPLE LOCATIONS
EVGSAU SATELLITE 3
UNIT J SEC 32 T17S R35E
LEA COUNTY, NEW MEXICO
CONOCOPHILLIPS COMPANY

P:\Concho Operating\GIS\31403720.000.14_EVGSAU SATELLITE 3\MXD\31403720.000.14_FIG02_PRELIMINARY_2022.mxd

TABLES

Table 1

Soil Analytical Results
EVGSAU Satellite 3
Incident Number NAPP2125634309
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
Soil Samples										
SS01	02/25/2022	0.25	<0.00200	<0.00399	71.6	<49.9	<49.9	71.6	71.6	407
SS02	02/25/2022	0.25	<0.00201	<0.00402	66.1	<50.0	<50.0	66.1	66.1	26.1
SS03	02/25/2022	0.25	<0.00199	<0.00398	60.7	<50.0	<50.0	60.7	60.7	401
SS04	02/25/2022	0.25	<0.00202	<0.00404	<49.8	<49.8	<49.8	<49.8	<49.8	79.8
SS05	02/25/2022	0.25	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	206
SS06	02/25/2022	0.25	<0.00200	<0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	239
SS07	02/16/2022	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	33.4
SS08	02/16/2022	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	18.2
SS09	02/16/2022	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	6.84
SS10	02/16/2022	0.5	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	5.87
SS11	02/16/2022	0.5	<0.00201	<0.00402	<50.0	<50.0	<50.0	<50.0	<50.0	9.1
SS12	02/16/2022	0.5	<0.00198	<0.00396	55.7	<50.0	<50.0	55.7	55.7	38.8
SS13	02/22/2022	0.5	<0.00201	0.21	<50.0	<50.0	<50.0	<50.0	<50.0	304
SS14	02/22/2022	0.5	<0.00198	0.174	144	<49.9	202	144	346	60.7
SS15	02/25/2022	0.25	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	182
SS16	02/25/2022	0.25	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	54.1

Table 1

Soil Analytical Results
EVGSAU Satellite 3
Incident Number NAPP2125634309
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	10,000
SS17	02/25/2022	0.25	<0.00201	<0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	26.5
SS18	02/25/2022	0.25	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	195
SS19	02/25/2022	0.25	<0.00200	<0.00401	<49.9	<49.9	<49.9	<49.9	<49.9	273

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

ATTACHMENT 1: REFERENCED WELL RECORDS

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: L 07695 **Subbasin:** L **Cross Reference:** -

Primary Purpose: SRO SECONDARY RECOVERY OF OIL

Primary Status: PMT PERMIT

Total Acres: 0 **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: PHILLIPS PETROLEUM COMPANY

Documents on File

Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	532474	COMB 1979-08-13	PMT	PBU	L-4829, L-7695 & L-7816-COMB	F	0	480	
get images	488415	APPRO 1978-07-24	PMT	PCW	L 07695	T	0	480	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
L 04829 S		Shallow	3	4		32	17S	35E	642554	3628586*	

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

Priority Summary

Priority	Status	Acres	Diversion	Pod Number	
05/05/1977	PMT	0	480	L 04829 S	Shallow

Place of Use

Q 256	Q 64	Q16	Q4	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
				04	18S	35E	0	0		SRO	05/05/1977	TRN	SEE PREVIOUS DESCRIPTION FOR TOTAL DIVERSION PERMITTED.
				05	18S	35E	0	0		SRO	05/05/1977	TRN	SEE PREVIOUS DESCRIPTION FOR TOTAL DIVERSION PERMITTED.
				18	17S	35E	0	0		SRO	05/05/1977	TRN	SEE PREVIOUS DESCRIPTION FOR TOTAL DIVERSION PERMITTED.
				35	17S	34E	0	0		SRO	05/05/1977	TRN	SEE PREVIOUS DESCRIPTION FOR TOTAL DIVERSION PERMITTED.
			3	18	17S	35E	0	0		SRO	05/05/1977	TRN	SEE PREVIOUS DESCRIPTION FOR TOTAL DIVERSION PERMITTED.
			4	24	17S	34E	0	0		SRO	05/05/1977	TRN	
		1	3	05	18S	35E	0	0		SRO	05/05/1977	TRN	SEE PREVIOUS DESCRIPTION FOR TOTAL DIVERSION PERMITTED.

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0	0		SRO	05/05/1977	GW	

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	Twn	Rng	X	Y
	L 04829 S		3	4	32	17S	35E	642554	3628586*

Driller License: 46 **Driller Company:** ABBOTT BROTHERS COMPANY

Driller Name: MURRELL ABBOTT

Drill Start Date:	05/04/1979	**Drill Finish Date:**	05/14/1979	**Plug Date:**	
Log File Date:	06/06/1979	**PCW Rcv Date:**	06/06/1979	**Source:**	Shallow
Pump Type:	TURBIN	**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	12.75	**Depth Well:**	198 feet	**Depth Water:**	85 feet

Water Bearing Stratifications:	Top	Bottom	Description
	85	198	Sandstone/Gravel/Conglomerate

Casing Perforations:	Top	Bottom
	115	195

Meter Number:	8632	**Meter Make:**	BROKS
Meter Serial Number:	78092085223	**Meter Multiplier:**	10.0000
Number of Dials:	6	**Meter Type:**	Diversion
Unit of Measure:	Barrels 42 gal.	**Return Flow Percent:**	
Usage Multiplier:		**Reading Frequency:**	Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
01/01/2005	2005	0	A	jw		0	
03/31/2005	2005	944409	A	jw		121.728	
08/08/2005	2005	217766	R	jw	Meter Rollover	352.339	
09/30/2005	2005	548362	A	RPT		426.116	
12/31/2005	2005	119382	R	RPT	Meter Rollover	736.006	
03/31/2006	2006	248548	A	RPT		166.486	

**YTD Meter Amounts:	Year	Amount
	2005	1636.189
	2006	166.486

***UTM location was derived from PLSS - see Help**

National Water Information System: Web Interface

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

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

USGS 324720103280101 17S.35E.33.13321

Available data for this site SUMMARY OF ALL AVAILABLE DATA GO

Well Site

DESCRIPTION:

Latitude 32°47'35", Longitude 103°28'10" NAD27
Lea County, New Mexico , Hydrologic Unit 12080003
Well depth: 220 feet
Land surface altitude: 3,952.00 feet above NGVD29.
Well completed in "High Plains aquifer" (N100HGHPLN) national aquifer.
Well completed in "Ogallala Formation" (121OGLL) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1981-01-21	1981-01-21	1
Revisions	Unavailable (site:0) (timeseries: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

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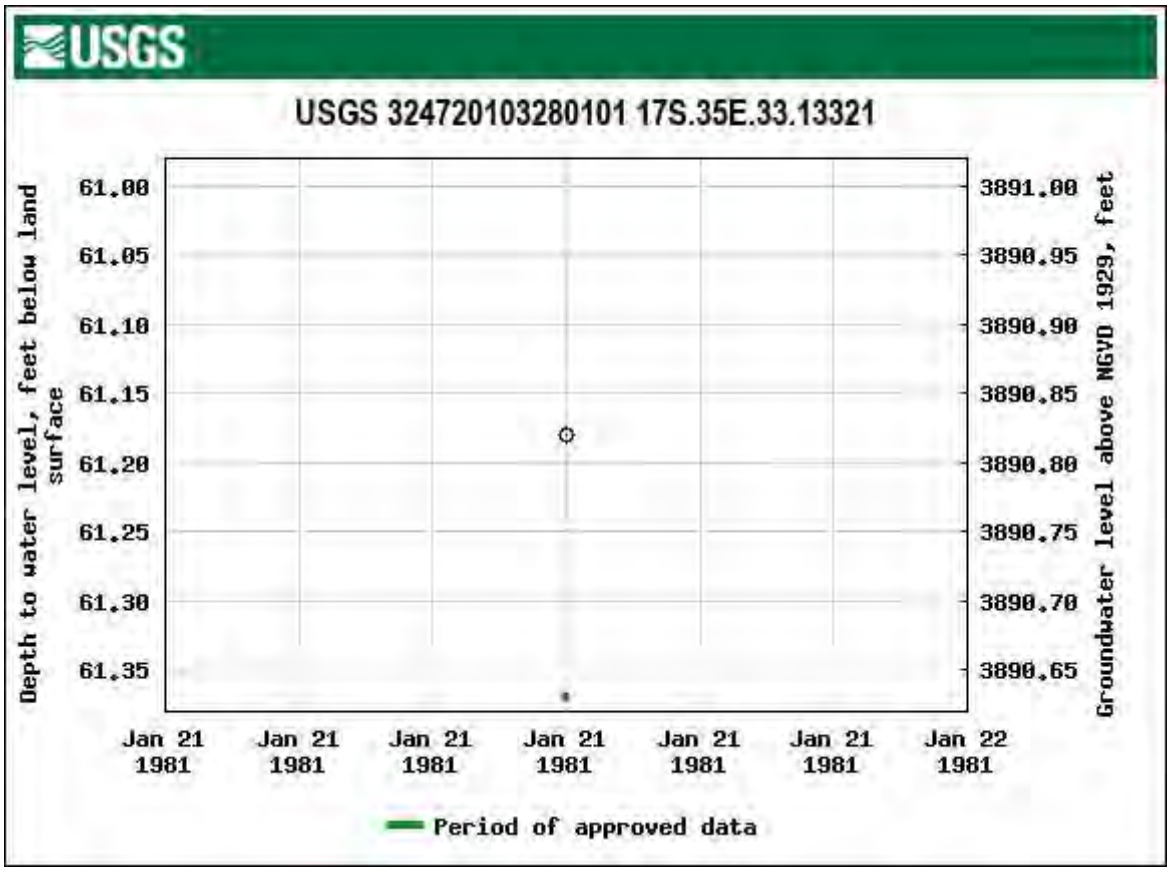
Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News


USGS
USGS 324720103280101 17S.35E.33.13321
Depth to water level, feet below land surface
61.00
61.05
61.10
61.15
61.20
61.25
61.30
61.35
Groundwater level above NGVD 1929, feet
3891.00
3890.95
3890.90
3890.85
3890.80
3890.75
3890.70
3890.65
Jan 21 1981
Jan 21 1981
Jan 21 1981
Jan 21 1981
Jan 21 1981
Jan 21 1981
Jan 22 1981
Period of approved data

ATTACHMENT 2: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
ConocoPhillips Company	EVGSAU Satellite 3 Lea County, New Mexico	NAPP2125634309

Photo No.	Date
1	November 10, 2021

Photo of mist area taken during initial site assessment.

Photo No.	Date
2	February 25, 2022

Photo of mist area around flare taken during soil sampling activities.

PHOTOGRAPHIC LOG		
ConocoPhillips Company	EVGSAU Satellite 3 Lea County, New Mexico	NAPP2125634309

Photo No.	Date
3	February 25, 2022

Photo of mist area taken during soil sampling activities.

Photo No.	Date
4	February 25, 2022

Photo of mist area taken during soil sampling activities.

ATTACHMENT 3: LABORATORY ANALYTICAL REPORTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1977-1
Laboratory Sample Delivery Group: 31403720.000task14.02
Client Project/Site: EVGSAU Satellite 3

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
3/1/2022 6:47:48 PM

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

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

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

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Laboratory Job ID: 890-1977-1
SDG: 31403720.000task14.02

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1977-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000task14.02

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
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

Case Narrative

Client: WSP USA Inc. Job ID: 890-1977-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000task14.02

Job ID: 890-1977-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-1977-1

Receipt
The samples were received on 2/17/2022 4:32 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 2.8°C

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-19818 and analytical batch 880-20400 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-1971-A-1-D MSD). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: SS11 (890-1977-5), SS12 (890-1977-6), (890-1972-A-1-E), (890-1972-A-1-F MS) and (890-1972-A-1-G MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-19898 and analytical batch 880-19941 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

Client Sample ID: SS07

Lab Sample ID: 890-1977-1
Matrix: Solid
Date Collected: 02/16/22 10:22
Date Received: 02/17/22 16:32
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/24/22 08:00	03/01/22 06:15	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/24/22 08:00	03/01/22 06:15	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/24/22 08:00	03/01/22 06:15	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/24/22 08:00	03/01/22 06:15	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/24/22 08:00	03/01/22 06:15	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/24/22 08:00	03/01/22 06:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*02/24/22 08:00*	*03/01/22 06:15*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/24/22 08:00*	*03/01/22 06:15*	*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			03/01/22 19:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 15:50	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		02/21/22 08:32	02/21/22 15:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 15:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*78*		*70 - 130*	*02/21/22 08:32*	*02/21/22 15:53*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/21/22 08:32*	*02/21/22 15:53*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33.4**		5.02		mg/Kg			02/22/22 18:10	1

Client Sample ID: SS08

Lab Sample ID: 890-1977-2
Matrix: Solid
Date Collected: 02/16/22 10:26
Date Received: 02/17/22 16:32
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/24/22 08:00	03/01/22 06:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/24/22 08:00	03/01/22 06:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/24/22 08:00	03/01/22 06:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/24/22 08:00	03/01/22 06:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/24/22 08:00	03/01/22 06:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/24/22 08:00	03/01/22 06:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/24/22 08:00*	*03/01/22 06:35*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

Client Sample ID: SS08

Lab Sample ID: 890-1977-2
Matrix: Solid
Date Collected: 02/16/22 10:26
Date Received: 02/17/22 16:32
Sample Depth: 0.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/24/22 08:00*	*03/01/22 06:35*	*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			03/01/22 19:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/22 15:50	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		02/21/22 08:32	02/21/22 16:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 16:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*81*		*70 - 130*	*02/21/22 08:32*	*02/21/22 16:14*	*1*
o-Terphenyl	*85*		*70 - 130*	*02/21/22 08:32*	*02/21/22 16:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.2**		4.97		mg/Kg			02/22/22 18:29	1

Client Sample ID: SS09

Lab Sample ID: 890-1977-3
Matrix: Solid
Date Collected: 02/16/22 10:30
Date Received: 02/17/22 16:32
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/24/22 08:00	03/01/22 06:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/24/22 08:00	03/01/22 06:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/24/22 08:00	03/01/22 06:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/24/22 08:00	03/01/22 06:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/24/22 08:00	03/01/22 06:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/24/22 08:00	03/01/22 06:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/24/22 08:00*	*03/01/22 06:56*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/24/22 08:00*	*03/01/22 06:56*	*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			03/01/22 19:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/22 20:00	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

Client Sample ID: SS09

Date Collected: 02/16/22 10:30
Date Received: 02/17/22 16:32
Sample Depth: 0.5

Lab Sample ID: 890-1977-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/22/22 09:05	02/22/22 14:27	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/22/22 09:05	02/22/22 14:27	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/22/22 09:05	02/22/22 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*02/22/22 09:05*	*02/22/22 14:27*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/22/22 09:05*	*02/22/22 14:27*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.84**		4.95		mg/Kg			02/22/22 18:35	1

Client Sample ID: SS10

Date Collected: 02/16/22 10:34
Date Received: 02/17/22 16:32
Sample Depth: 0.5

Lab Sample ID: 890-1977-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/24/22 08:00	03/01/22 07:16	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/24/22 08:00	03/01/22 07:16	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/24/22 08:00	03/01/22 07:16	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/24/22 08:00	03/01/22 07:16	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/24/22 08:00	03/01/22 07:16	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/24/22 08:00	03/01/22 07:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/24/22 08:00*	*03/01/22 07:16*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/24/22 08:00*	*03/01/22 07:16*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/01/22 19:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/28/22 20:00	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		02/22/22 09:05	02/22/22 14:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/22/22 09:05	02/22/22 14:48	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/22/22 09:05	02/22/22 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*72*		*70 - 130*	*02/22/22 09:05*	*02/22/22 14:48*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/22/22 09:05*	*02/22/22 14:48*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

Client Sample ID: SS10

Lab Sample ID: 890-1977-4

Date Collected: 02/16/22 10:34
Matrix: Solid
Date Received: 02/17/22 16:32
Sample Depth: 0.5

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.87		4.98		mg/Kg			02/22/22 18:42	1

Client Sample ID: SS11

Lab Sample ID: 890-1977-5

Date Collected: 02/16/22 10:44
Matrix: Solid
Date Received: 02/17/22 16:32
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/24/22 08:00	03/01/22 07:37	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/24/22 08:00	03/01/22 07:37	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/24/22 08:00	03/01/22 07:37	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/24/22 08:00	03/01/22 07:37	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/24/22 08:00	03/01/22 07:37	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/24/22 08:00	03/01/22 07:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*02/24/22 08:00*	*03/01/22 07:37*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/24/22 08:00*	*03/01/22 07:37*	*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			03/01/22 19:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/28/22 20:00	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		02/22/22 09:05	02/22/22 16:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/22/22 09:05	02/22/22 16:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/22/22 09:05	02/22/22 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*63*	*S1-*	*70 - 130*	*02/22/22 09:05*	*02/22/22 16:09*	*1*
o-Terphenyl	*70*		*70 - 130*	*02/22/22 09:05*	*02/22/22 16:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.10		5.00		mg/Kg			02/22/22 18:48	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

Client Sample ID: SS12

Date Collected: 02/16/22 10:46
Date Received: 02/17/22 16:32
Sample Depth: 0.5

Lab Sample ID: 890-1977-6

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/24/22 08:00	03/01/22 07:57	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/24/22 08:00	03/01/22 07:57	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/24/22 08:00	03/01/22 07:57	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/24/22 08:00	03/01/22 07:57	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/24/22 08:00	03/01/22 07:57	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/24/22 08:00	03/01/22 07:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*02/24/22 08:00*	*03/01/22 07:57*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/24/22 08:00*	*03/01/22 07:57*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/01/22 19:21	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**55.7**		50.0		mg/Kg			02/28/22 20:00	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		02/22/22 09:05	02/22/22 16:30	1
Diesel Range Organics (Over C10-C28)	**55.7**		50.0		mg/Kg		02/22/22 09:05	02/22/22 16:30	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/22/22 09:05	02/22/22 16:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*64*	*S1-*	*70 - 130*	*02/22/22 09:05*	*02/22/22 16:30*	*1*
o-Terphenyl	*70*		*70 - 130*	*02/22/22 09:05*	*02/22/22 16:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**38.8**		5.00		mg/Kg			02/22/22 18:54	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1965-A-1-F MS	Matrix Spike	110	94
890-1965-A-1-G MSD	Matrix Spike Duplicate	107	100
890-1977-1	SS07	121	95
890-1977-2	SS08	103	94
890-1977-3	SS09	98	92
890-1977-4	SS10	96	99
890-1977-5	SS11	101	99
890-1977-6	SS12	94	96
LCS 880-19818/1-A	Lab Control Sample	100	100
LCSD 880-19818/2-A	Lab Control Sample Dup	98	101
MB 880-19818/5-A	Method Blank	97	96
MB 880-20211/5-A	Method Blank	95	96

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-1971-A-1-C MS	Matrix Spike	71	78
890-1971-A-1-D MSD	Matrix Spike Duplicate	71	67 S1-
890-1972-A-1-F MS	Matrix Spike	70	60 S1-
890-1972-A-1-G MSD	Matrix Spike Duplicate	72	61 S1-
890-1977-1	SS07	78	81
890-1977-2	SS08	81	85
890-1977-3	SS09	71	81
890-1977-4	SS10	72	82
890-1977-5	SS11	63 S1-	70
890-1977-6	SS12	64 S1-	70
LCS 880-20026/2-A	Lab Control Sample	101	106
LCSD 880-20026/3-A	Lab Control Sample Dup	100	106
MB 880-20026/1-A	Method Blank	75	91

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-19894/2-A	Lab Control Sample	96	100
LCSD 880-19894/3-A	Lab Control Sample Dup	88	104
MB 880-19894/1-A	Method Blank	79	86

Surrogate Legend

Surrogate Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-19818/5-A
Matrix: Solid
Analysis Batch: 20400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19818

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/24/22 08:00	02/28/22 23:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/24/22 08:00	02/28/22 23:32	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/24/22 08:00	02/28/22 23:32	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/24/22 08:00	02/28/22 23:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/24/22 08:00	02/28/22 23:32	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/24/22 08:00	02/28/22 23:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*02/24/22 08:00*	*02/28/22 23:32*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/24/22 08:00*	*02/28/22 23:32*	*1*

Lab Sample ID: LCS 880-19818/1-A
Matrix: Solid
Analysis Batch: 20400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19818

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1102		mg/Kg		110	70 - 130		
Toluene			0.100	0.1021		mg/Kg		102	70 - 130		
Ethylbenzene			0.100	0.1029		mg/Kg		103	70 - 130		
m-Xylene & p-Xylene			0.200	0.2346		mg/Kg		117	70 - 130		
o-Xylene			0.100	0.1157		mg/Kg		116	70 - 130		

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

Lab Sample ID: LCSD 880-19818/2-A
Matrix: Solid
Analysis Batch: 20400

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19818

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1092		mg/Kg		109	70 - 130	1	35
Toluene			0.100	0.09963		mg/Kg		100	70 - 130	2	35
Ethylbenzene			0.100	0.09835		mg/Kg		98	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2247		mg/Kg		112	70 - 130	4	35
o-Xylene			0.100	0.1099		mg/Kg		110	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: 890-1965-A-1-F MS
Matrix: Solid
Analysis Batch: 20400

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 19818

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U F1	0.0996	0.04902	F1	mg/Kg		49	70 - 130		
Toluene	<0.00199	U F1	0.0996	0.05235	F1	mg/Kg		52	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

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

Lab Sample ID: 890-1965-A-1-F MS
Matrix: Solid
Analysis Batch: 20400

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 19818

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U F1	0.0996	0.05893	F1	mg/Kg		58	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.199	0.1369	F1	mg/Kg		69	70 - 130
o-Xylene	<0.00199	U	0.0996	0.07178		mg/Kg		72	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*

Lab Sample ID: 890-1965-A-1-G MSD
Matrix: Solid
Analysis Batch: 20400

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 19818

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.0990	0.05903	F1	mg/Kg		60	70 - 130	19	35
Toluene	<0.00199	U F1	0.0990	0.05664	F1	mg/Kg		57	70 - 130	8	35
Ethylbenzene	<0.00199	U F1	0.0990	0.06109	F1	mg/Kg		61	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U F1	0.198	0.1402		mg/Kg		71	70 - 130	2	35
o-Xylene	<0.00199	U	0.0990	0.07240		mg/Kg		73	70 - 130	1	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 880-20211/5-A
Matrix: Solid
Analysis Batch: 20400

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20211

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		02/24/22 11:19	02/28/22 10:45	1
Toluene	<0.00200	U	0.00200	mg/Kg		02/24/22 11:19	02/28/22 10:45	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		02/24/22 11:19	02/28/22 10:45	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		02/24/22 11:19	02/28/22 10:45	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		02/24/22 11:19	02/28/22 10:45	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		02/24/22 11:19	02/28/22 10:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*	*02/24/22 11:19*	*02/28/22 10:45*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/24/22 11:19*	*02/28/22 10:45*	*1*

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

Lab Sample ID: MB 880-19894/1-A
Matrix: Solid
Analysis Batch: 19888

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19894

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		02/21/22 08:32	02/21/22 11:22	1

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

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

Lab Sample ID: MB 880-19894/1-A
Matrix: Solid
Analysis Batch: 19888

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 19894

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 11:22	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/21/22 08:32	02/21/22 11:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*70 - 130*	*02/21/22 08:32*	*02/21/22 11:22*	*1*
o-Terphenyl	*86*		*70 - 130*	*02/21/22 08:32*	*02/21/22 11:22*	*1*

Lab Sample ID: LCS 880-19894/2-A
Matrix: Solid
Analysis Batch: 19888

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 19894

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	832.2		mg/Kg		83	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	791.6		mg/Kg		79	70 - 130		

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

Lab Sample ID: LCSD 880-19894/3-A
Matrix: Solid
Analysis Batch: 19888

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 19894

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	812.8		mg/Kg		81	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	829.3		mg/Kg		83	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: 890-1971-A-1-C MS
Matrix: Solid
Analysis Batch: 19888

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 19894

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	993.5		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1190		mg/Kg		119	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*71*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

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

Lab Sample ID: 890-1971-A-1-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 19888 — **Prep Batch: 19894**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1028		mg/Kg		101	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1177		mg/Kg		118	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*71*		*70 - 130*
o-Terphenyl	*67*	*S1-*	*70 - 130*

Lab Sample ID: MB 880-20026/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 20030 — **Prep Batch: 20026**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/22/22 09:05	02/22/22 11:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/22/22 09:05	02/22/22 11:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/22/22 09:05	02/22/22 11:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*75*		*70 - 130*	*02/22/22 09:05*	*02/22/22 11:45*	*1*
o-Terphenyl	*91*		*70 - 130*	*02/22/22 09:05*	*02/22/22 11:45*	*1*

Lab Sample ID: LCS 880-20026/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 20030 — **Prep Batch: 20026**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	849.9		mg/Kg		85	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1050		mg/Kg		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*101*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: LCSD 880-20026/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 20030 — **Prep Batch: 20026**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	802.5		mg/Kg		80	70 - 130	6	20
Diesel Range Organics (Over C10-C28)			1000	986.2		mg/Kg		99	70 - 130	6	20

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

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

Lab Sample ID: LCSD 880-20026/3-A
Matrix: Solid
Analysis Batch: 20030

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20026

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*106*		*70 - 130*

Lab Sample ID: 890-1972-A-1-F MS
Matrix: Solid
Analysis Batch: 20030

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20026

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1225		mg/Kg		123	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1240		mg/Kg		122	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*70*		*70 - 130*
o-Terphenyl	*60*	*S1-*	*70 - 130*

Lab Sample ID: 890-1972-A-1-G MSD
Matrix: Solid
Analysis Batch: 20030

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 20026

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1256		mg/Kg		126	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1271		mg/Kg		126	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*72*		*70 - 130*
o-Terphenyl	*61*	*S1-*	*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-19898/1-A
Matrix: Solid
Analysis Batch: 19941

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/22/22 17:13	1

Lab Sample ID: LCS 880-19898/2-A
Matrix: Solid
Analysis Batch: 19941

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride			250	257.8		mg/Kg		103	90 - 110

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1977-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000task14.02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-19898/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 19941

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	258.5		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-1978-A-1-F MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 19941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	491	F1	252	809.2	F1	mg/Kg		126	90 - 110		

Lab Sample ID: 890-1978-A-1-G MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Soluble**
Analysis Batch: 19941

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	491	F1	252	834.6	F1	mg/Kg		136	90 - 110	3	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1977-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000task14.02

GC VOA

Prep Batch: 19818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1977-1	SS07	Total/NA	Solid	5035	
890-1977-2	SS08	Total/NA	Solid	5035	
890-1977-3	SS09	Total/NA	Solid	5035	
890-1977-4	SS10	Total/NA	Solid	5035	
890-1977-5	SS11	Total/NA	Solid	5035	
890-1977-6	SS12	Total/NA	Solid	5035	
MB 880-19818/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-19818/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-19818/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1965-A-1-F MS	Matrix Spike	Total/NA	Solid	5035	
890-1965-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 20211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20211/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 20400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1977-1	SS07	Total/NA	Solid	8021B	19818
890-1977-2	SS08	Total/NA	Solid	8021B	19818
890-1977-3	SS09	Total/NA	Solid	8021B	19818
890-1977-4	SS10	Total/NA	Solid	8021B	19818
890-1977-5	SS11	Total/NA	Solid	8021B	19818
890-1977-6	SS12	Total/NA	Solid	8021B	19818
MB 880-19818/5-A	Method Blank	Total/NA	Solid	8021B	19818
MB 880-20211/5-A	Method Blank	Total/NA	Solid	8021B	20211
LCS 880-19818/1-A	Lab Control Sample	Total/NA	Solid	8021B	19818
LCSD 880-19818/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	19818
890-1965-A-1-F MS	Matrix Spike	Total/NA	Solid	8021B	19818
890-1965-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	19818

Analysis Batch: 20636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1977-1	SS07	Total/NA	Solid	Total BTEX	
890-1977-2	SS08	Total/NA	Solid	Total BTEX	
890-1977-3	SS09	Total/NA	Solid	Total BTEX	
890-1977-4	SS10	Total/NA	Solid	Total BTEX	
890-1977-5	SS11	Total/NA	Solid	Total BTEX	
890-1977-6	SS12	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 19888

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1977-1	SS07	Total/NA	Solid	8015B NM	19894
890-1977-2	SS08	Total/NA	Solid	8015B NM	19894
MB 880-19894/1-A	Method Blank	Total/NA	Solid	8015B NM	19894
LCS 880-19894/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	19894
LCSD 880-19894/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	19894
890-1971-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	19894
890-1971-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	19894

QC Association Summary

Client: WSP USA Inc. Job ID: 890-1977-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000task14.02

GC Semi VOA

Prep Batch: 19894

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1977-1	SS07	Total/NA	Solid	8015NM Prep	
890-1977-2	SS08	Total/NA	Solid	8015NM Prep	
MB 880-19894/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-19894/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-19894/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1971-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1971-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 20026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1977-3	SS09	Total/NA	Solid	8015NM Prep	
890-1977-4	SS10	Total/NA	Solid	8015NM Prep	
890-1977-5	SS11	Total/NA	Solid	8015NM Prep	
890-1977-6	SS12	Total/NA	Solid	8015NM Prep	
MB 880-20026/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20026/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1972-A-1-F MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1972-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20030

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1977-3	SS09	Total/NA	Solid	8015B NM	20026
890-1977-4	SS10	Total/NA	Solid	8015B NM	20026
890-1977-5	SS11	Total/NA	Solid	8015B NM	20026
890-1977-6	SS12	Total/NA	Solid	8015B NM	20026
MB 880-20026/1-A	Method Blank	Total/NA	Solid	8015B NM	20026
LCS 880-20026/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20026
LCSD 880-20026/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20026
890-1972-A-1-F MS	Matrix Spike	Total/NA	Solid	8015B NM	20026
890-1972-A-1-G MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20026

Analysis Batch: 20075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1977-1	SS07	Total/NA	Solid	8015 NM	
890-1977-2	SS08	Total/NA	Solid	8015 NM	

Analysis Batch: 20572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1977-3	SS09	Total/NA	Solid	8015 NM	
890-1977-4	SS10	Total/NA	Solid	8015 NM	
890-1977-5	SS11	Total/NA	Solid	8015 NM	
890-1977-6	SS12	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 19898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1977-1	SS07	Soluble	Solid	DI Leach	
890-1977-2	SS08	Soluble	Solid	DI Leach	
890-1977-3	SS09	Soluble	Solid	DI Leach	

QC Association Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

HPLC/IC (Continued)

Leach Batch: 19898 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1977-4	SS10	Soluble	Solid	DI Leach	
890-1977-5	SS11	Soluble	Solid	DI Leach	
890-1977-6	SS12	Soluble	Solid	DI Leach	
MB 880-19898/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-19898/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-19898/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1978-A-1-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1978-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 19941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1977-1	SS07	Soluble	Solid	300.0	19898
890-1977-2	SS08	Soluble	Solid	300.0	19898
890-1977-3	SS09	Soluble	Solid	300.0	19898
890-1977-4	SS10	Soluble	Solid	300.0	19898
890-1977-5	SS11	Soluble	Solid	300.0	19898
890-1977-6	SS12	Soluble	Solid	300.0	19898
MB 880-19898/1-A	Method Blank	Soluble	Solid	300.0	19898
LCS 880-19898/2-A	Lab Control Sample	Soluble	Solid	300.0	19898
LCSD 880-19898/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	19898
890-1978-A-1-F MS	Matrix Spike	Soluble	Solid	300.0	19898
890-1978-A-1-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	19898

Lab Chronicle

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

Client Sample ID: SS07
Date Collected: 02/16/22 10:22
Date Received: 02/17/22 16:32

Lab Sample ID: 890-1977-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	19818	02/24/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20400	03/01/22 06:15	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20636	03/01/22 19:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20075	02/22/22 15:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19894	02/21/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19888	02/21/22 15:53	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	19898	02/21/22 09:19	CH	XEN MID
Soluble	Analysis	300.0		1			19941	02/22/22 18:10	CH	XEN MID

Client Sample ID: SS08
Date Collected: 02/16/22 10:26
Date Received: 02/17/22 16:32

Lab Sample ID: 890-1977-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	19818	02/24/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20400	03/01/22 06:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20636	03/01/22 19:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20075	02/22/22 15:50	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	19894	02/21/22 08:32	DM	XEN MID
Total/NA	Analysis	8015B NM		1			19888	02/21/22 16:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	19898	02/21/22 09:19	CH	XEN MID
Soluble	Analysis	300.0		1			19941	02/22/22 18:29	CH	XEN MID

Client Sample ID: SS09
Date Collected: 02/16/22 10:30
Date Received: 02/17/22 16:32

Lab Sample ID: 890-1977-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	19818	02/24/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20400	03/01/22 06:56	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20636	03/01/22 19:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20026	02/22/22 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20030	02/22/22 14:27	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	19898	02/21/22 09:19	CH	XEN MID
Soluble	Analysis	300.0		1			19941	02/22/22 18:35	CH	XEN MID

Client Sample ID: SS10
Date Collected: 02/16/22 10:34
Date Received: 02/17/22 16:32

Lab Sample ID: 890-1977-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	19818	02/24/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20400	03/01/22 07:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20636	03/01/22 19:21	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

Client Sample ID: SS10

Lab Sample ID: 890-1977-4
Matrix: Solid
Date Collected: 02/16/22 10:34
Date Received: 02/17/22 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20026	02/22/22 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20030	02/22/22 14:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	19898	02/21/22 09:19	CH	XEN MID
Soluble	Analysis	300.0		1			19941	02/22/22 18:42	CH	XEN MID

Client Sample ID: SS11

Lab Sample ID: 890-1977-5
Matrix: Solid
Date Collected: 02/16/22 10:44
Date Received: 02/17/22 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	19818	02/24/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20400	03/01/22 07:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20636	03/01/22 19:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20026	02/22/22 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20030	02/22/22 16:09	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19898	02/21/22 09:19	CH	XEN MID
Soluble	Analysis	300.0		1			19941	02/22/22 18:48	CH	XEN MID

Client Sample ID: SS12

Lab Sample ID: 890-1977-6
Matrix: Solid
Date Collected: 02/16/22 10:46
Date Received: 02/17/22 16:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	19818	02/24/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20400	03/01/22 07:57	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20636	03/01/22 19:21	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20572	02/28/22 20:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20026	02/22/22 09:05	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20030	02/22/22 16:30	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	19898	02/21/22 09:19	CH	XEN MID
Soluble	Analysis	300.0		1			19941	02/22/22 18:54	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: 890-1977-1
Project/Site: EVGSAU Satellite 3
SDG: 31403720.000task14.02

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

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: EVGSAU Satellite 3

Job ID: 890-1977-1
SDG: 31403720.000task14.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1977-1	SS07	Solid	02/16/22 10:22	02/17/22 16:32	0.5
890-1977-2	SS08	Solid	02/16/22 10:26	02/17/22 16:32	0.5
890-1977-3	SS09	Solid	02/16/22 10:30	02/17/22 16:32	0.5
890-1977-4	SS10	Solid	02/16/22 10:34	02/17/22 16:32	0.5
890-1977-5	SS11	Solid	02/16/22 10:44	02/17/22 16:32	0.5
890-1977-6	SS12	Solid	02/16/22 10:46	02/17/22 16:32	0.5

Chain of Custody

XENCO LABORATORIES

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	WSP USA	Company Name:	WSP USA
Address:	3300 North A Street	Address:	3300 North A Street
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	Midland, Texas 79705
Phone:	432 704 5178	Email:	Kalei.Jennings@wsp.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ ST/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	EVGSAU Satellite 3	Turn Around	
Project Number:	31403720.000 Task 14.02	Routine	☑
P.O. Number:		Rush:	
Sampler's Name:	Mercy Rotich.	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Temperature (°C):	3.0 / 2.8	Thermometer ID	T-NM-007	
Received Intact:	Yes No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

890-1977 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 8021)	Chloride (EPA 300.0)
SS07	S	02/16/22	10:22	0.5'	1	X	X	X
SS08	S	02/16/22	10:26	0.5'	1	X	X	X
SS09	S	02/16/22	10:30	0.5'	1	X	X	X
SS10	S	02/16/22	10:34	0.5'	1	X	X	X
SS11	S	02/16/22	10:44	0.5'	1	X	X	X
SS12	S	02/16/22	10:46	0.5'	1	X	X	X

Work Order Notes

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

Sample Comments

Sample Comments
Discrete
Discrete
Discrete
Discrete
Discrete
Discrete

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010:** 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Mercy		2/17/22 4:32	2		
3			4		
5			6		

Revised Date 051418 Rev 2018.1

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

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer Jessica	Carrier Tracking No(s)	COC No: 890-631 1
Client Contact: Shipping/Receiving	Phone	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1977-1
Address: 1211 W Florida Ave	Due Date Requested: 2/23/2022			
City: Midland	TAT Requested (days):			
State, Zip: TX 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: EVGSAU Satellite 3	Project #: 89000048			
Site:	SSOW#:			

Analysis Requested

Preservation Codes

A	HCL	M	Hexane
B	NaOH	N	None
C	Zn Acetate	O	AsNaO2
D	Nitric Acid	P	Na2O4S
E	NaHSO4	Q	Na2SO3
F	MeOH	R	Na2S2O3
G	Amchlor	S	H2SO4
H	Ascorbic Acid	T	TSP Dodecahydrate
I	Ice	U	Acetone
J	DI Water	V	MCAA
K	EDTA	W	pH 4-5
L	EDA	Z	other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc BTEX	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SS07 (890-1977-1)	2/16/22	10 22 Mountain		Solid			X	X	X	X	X	1	
SS08 (890-1977-2)	2/16/22	10 26 Mountain		Solid			X	X	X	X	X	1	
SS09 (890-1977-3)	2/16/22	10 30 Mountain		Solid			X	X	X	X	X	1	
SS10 (890-1977-4)	2/16/22	10 34 Mountain		Solid			X	X	X	X	X	1	
SS11 (890-1977-5)	2/16/22	10 44 Mountain		Solid			X	X	X	X	X	1	
SS12 (890-1977-6)	2/16/22	10 46 Mountain		Solid			X	X	X	X	X	1	

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II, III IV Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements.

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by:	Date/Time	Company	Received by:	Date/Time	Company
1	Clue Cup 2-18-22					
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 2/21/22	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks.

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1977-1
SDG Number: 31403720.000task14.02

Login Number: 1977
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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: 890-1977-1
SDG Number: 31403720.000task14.02

Login Number: 1977
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 02/21/22 08:09 AM

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-1998-1
Laboratory Sample Delivery Group: 31403720.00
Client Project/Site: EVGSAU Satellite 3

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
3/2/2022 7:22:39 PM

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

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

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

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Laboratory Job ID: 890-1998-1
SDG: 31403720.00

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1998-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.00

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

Job ID: 890-1998-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-1998-1

Receipt
The samples were received on 2/22/2022 3:10 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 4.2°C

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-20253/2-A) and (880-11670-A-1-D MS). Evidence of matrix interferences is not obvious.

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

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

Client Sample ID: SS13

Lab Sample ID: 890-1998-1
Matrix: Solid
Date Collected: 02/22/22 10:32
Date Received: 02/22/22 15:10
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/28/22 07:30	02/28/22 16:50	1
Toluene	**0.0324**		0.00201		mg/Kg		02/28/22 07:30	02/28/22 16:50	1
Ethylbenzene	**0.0265**		0.00201		mg/Kg		02/28/22 07:30	02/28/22 16:50	1
m-Xylene & p-Xylene	**0.0274**		0.00402		mg/Kg		02/28/22 07:30	02/28/22 16:50	1
o-Xylene	**0.124**		0.00201		mg/Kg		02/28/22 07:30	02/28/22 16:50	1
Xylenes, Total	**0.151**		0.00402		mg/Kg		02/28/22 07:30	02/28/22 16:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*02/28/22 07:30*	*02/28/22 16:50*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*02/28/22 07:30*	*02/28/22 16:50*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.210**		0.00402		mg/Kg			02/28/22 18:56	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/25/22 15:07	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		02/24/22 15:51	02/25/22 01:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/22 15:51	02/25/22 01:31	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/22 15:51	02/25/22 01:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*02/24/22 15:51*	*02/25/22 01:31*	*1*
o-Terphenyl	*92*		*70 - 130*	*02/24/22 15:51*	*02/25/22 01:31*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**304**		5.04		mg/Kg			02/25/22 21:55	1

Client Sample ID: SS14

Lab Sample ID: 890-1998-2
Matrix: Solid
Date Collected: 02/22/22 10:50
Date Received: 02/22/22 15:10
Sample Depth: 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/28/22 07:30	02/28/22 17:11	1
Toluene	**0.00920**		0.00198		mg/Kg		02/28/22 07:30	02/28/22 17:11	1
Ethylbenzene	**0.0121**		0.00198		mg/Kg		02/28/22 07:30	02/28/22 17:11	1
m-Xylene & p-Xylene	**0.0283**		0.00397		mg/Kg		02/28/22 07:30	02/28/22 17:11	1
o-Xylene	**0.124**		0.00198		mg/Kg		02/28/22 07:30	02/28/22 17:11	1
Xylenes, Total	**0.152**		0.00397		mg/Kg		02/28/22 07:30	02/28/22 17:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*185*	*S1+*	*70 - 130*	*02/28/22 07:30*	*02/28/22 17:11*	*1*

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Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

Client Sample ID: SS14

Date Collected: 02/22/22 10:50
Date Received: 02/22/22 15:10
Sample Depth: 0.5

Lab Sample ID: 890-1998-2

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*02/28/22 07:30*	*02/28/22 17:11*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	**0.174**		0.00397		mg/Kg			02/28/22 18:56	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**346**		49.9		mg/Kg			02/25/22 15:07	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	<49.9	U	49.9		mg/Kg		02/25/22 17:17	02/26/22 20:37	1
Diesel Range Organics (Over C10-C28)	**144**		49.9		mg/Kg		02/25/22 17:17	02/26/22 20:37	1
Oil Range Organics (Over C28-C36)	**202**		49.9		mg/Kg		02/25/22 17:17	02/26/22 20:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*103*		*70 - 130*	*02/25/22 17:17*	*02/26/22 20:37*	*1*
o-Terphenyl	*91*		*70 - 130*	*02/25/22 17:17*	*02/26/22 20:37*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**60.7**		4.96		mg/Kg			02/25/22 22:01	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

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)
890-1998-1	SS13	124	90
890-1998-2	SS14	185 S1+	75
890-2012-A-1-A MS	Matrix Spike	104	101
890-2012-A-1-B MSD	Matrix Spike Duplicate	103	100
LCS 880-20209/1-A	Lab Control Sample	104	91
LCSD 880-20209/2-A	Lab Control Sample Dup	102	100
MB 880-20209/5-A	Method Blank	104	96

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-11670-A-1-D MS	Matrix Spike	69 S1-	73
880-11670-A-1-E MSD	Matrix Spike Duplicate	82	77
880-11681-A-14-D MS	Matrix Spike	105	83
880-11681-A-14-E MSD	Matrix Spike Duplicate	99	82
890-1998-1	SS13	93	92
890-1998-2	SS14	103	91
LCS 880-20367/2-A	Lab Control Sample	91	88
LCSD 880-20367/3-A	Lab Control Sample Dup	121	114
MB 880-20367/1-A	Method Blank	108	114

Surrogate Legend

1CO = 1-Chlorooctane
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 880-20253/2-A	Lab Control Sample	132 S1+	136 S1+
LCSD 880-20253/3-A	Lab Control Sample Dup	113	128
MB 880-20253/1-A	Method Blank	97	102

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20209/5-A
Matrix: Solid
Analysis Batch: 20398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20209

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/28/22 07:30	02/28/22 10:40	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/28/22 07:30	02/28/22 10:40	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/28/22 07:30	02/28/22 10:40	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/28/22 07:30	02/28/22 10:40	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/28/22 07:30	02/28/22 10:40	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/28/22 07:30	02/28/22 10:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/28/22 07:30*	*02/28/22 10:40*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/28/22 07:30*	*02/28/22 10:40*	*1*

Lab Sample ID: LCS 880-20209/1-A
Matrix: Solid
Analysis Batch: 20398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20209

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1070		mg/Kg		107	70 - 130		
Toluene			0.100	0.1082		mg/Kg		108	70 - 130		
Ethylbenzene			0.100	0.1075		mg/Kg		107	70 - 130		
m-Xylene & p-Xylene			0.200	0.2239		mg/Kg		112	70 - 130		
o-Xylene			0.100	0.1086		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: LCSD 880-20209/2-A
Matrix: Solid
Analysis Batch: 20398

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20209

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1053		mg/Kg		105	70 - 130	2	35
Toluene			0.100	0.1040		mg/Kg		104	70 - 130	4	35
Ethylbenzene			0.100	0.1035		mg/Kg		104	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.2164		mg/Kg		108	70 - 130	3	35
o-Xylene			0.100	0.1050		mg/Kg		105	70 - 130	3	35

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

Lab Sample ID: 890-2012-A-1-A MS
Matrix: Solid
Analysis Batch: 20398

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20209

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00199	U	0.101	0.1055		mg/Kg		104	70 - 130		
Toluene	<0.00199	U	0.101	0.1036		mg/Kg		102	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

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

Lab Sample ID: 890-2012-A-1-A MS
Matrix: Solid
Analysis Batch: 20398

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20209

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00199	U	0.101	0.1034		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.2161		mg/Kg		106	70 - 130
o-Xylene	<0.00199	U	0.101	0.1046		mg/Kg		104	70 - 130

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

Lab Sample ID: 890-2012-A-1-B MSD
Matrix: Solid
Analysis Batch: 20398

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 20209

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.1087		mg/Kg		108	70 - 130	3	35
Toluene	<0.00199	U	0.100	0.1072		mg/Kg		107	70 - 130	3	35
Ethylbenzene	<0.00199	U	0.100	0.1069		mg/Kg		106	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2227		mg/Kg		111	70 - 130	3	35
o-Xylene	<0.00199	U	0.100	0.1082		mg/Kg		108	70 - 130	3	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-20253/1-A
Matrix: Solid
Analysis Batch: 20195

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20253

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/24/22 15:51	02/24/22 21:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/24/22 15:51	02/24/22 21:01	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/24/22 15:51	02/24/22 21:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*02/24/22 15:51*	*02/24/22 21:01*	*1*
o-Terphenyl	*102*		*70 - 130*	*02/24/22 15:51*	*02/24/22 21:01*	*1*

Lab Sample ID: LCS 880-20253/2-A
Matrix: Solid
Analysis Batch: 20195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20253

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	808.4		mg/Kg		81	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1182		mg/Kg		118	70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

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

Lab Sample ID: LCS 880-20253/2-A
Matrix: Solid
Analysis Batch: 20195

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20253

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: LCSD 880-20253/3-A
Matrix: Solid
Analysis Batch: 20195

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20253

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	876.2		mg/Kg		88	70 - 130	8	20
Diesel Range Organics (Over C10-C28)			1000	1084		mg/Kg		108	70 - 130	9	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: 880-11670-A-1-D MS
Matrix: Solid
Analysis Batch: 20195

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20253

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1187		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1120		mg/Kg		112	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	69	S1-	70 - 130
o-Terphenyl	73		70 - 130

Lab Sample ID: 880-11670-A-1-E MSD
Matrix: Solid
Analysis Batch: 20195

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 20253

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1007		mg/Kg		97	70 - 130	16	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1187		mg/Kg		119	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	82		70 - 130
o-Terphenyl	77		70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

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

Lab Sample ID: MB 880-20367/1-A
Matrix: Solid
Analysis Batch: 20377

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20367

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/25/22 17:17	02/26/22 11:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/25/22 17:17	02/26/22 11:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/25/22 17:17	02/26/22 11:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/25/22 17:17*	*02/26/22 11:47*	*1*
o-Terphenyl	*114*		*70 - 130*	*02/25/22 17:17*	*02/26/22 11:47*	*1*

Lab Sample ID: LCS 880-20367/2-A
Matrix: Solid
Analysis Batch: 20377

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20367

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	953.6		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1102		mg/Kg		110	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*88*		*70 - 130*

Lab Sample ID: LCSD 880-20367/3-A
Matrix: Solid
Analysis Batch: 20377

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20367

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1109		mg/Kg		111	70 - 130	15	20
Diesel Range Organics (Over C10-C28)			1000	1086		mg/Kg		109	70 - 130	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*121*		*70 - 130*
o-Terphenyl	*114*		*70 - 130*

Lab Sample ID: 880-11681-A-14-D MS
Matrix: Solid
Analysis Batch: 20377

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20367

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1201		mg/Kg		120	70 - 130		
Diesel Range Organics (Over C10-C28)	590		1000	1426		mg/Kg		84	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

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

Lab Sample ID: 880-11681-A-14-D MS
Matrix: Solid
Analysis Batch: 20377

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20367

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	105		70 - 130
o-Terphenyl	83		70 - 130

Lab Sample ID: 880-11681-A-14-E MSD
Matrix: Solid
Analysis Batch: 20377

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 20367

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1108		mg/Kg		111	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	590		998	1407		mg/Kg		82	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	82		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20129/1-A
Matrix: Solid
Analysis Batch: 20336

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/25/22 19:10	1

Lab Sample ID: LCS 880-20129/2-A
Matrix: Solid
Analysis Batch: 20336

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	258.8		mg/Kg		104	90 - 110		

Lab Sample ID: LCSD 880-20129/3-A
Matrix: Solid
Analysis Batch: 20336

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	265.2		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 890-1995-A-7-F MS
Matrix: Solid
Analysis Batch: 20336

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	9.36		248	281.4		mg/Kg		110	90 - 110		

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-1995-A-7-G MSD
Matrix: Solid
Analysis Batch: 20336

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9.36		248	281.3		mg/Kg		110	90 - 110	0	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

GC VOA

Prep Batch: 20209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1998-1	SS13	Total/NA	Solid	5035	
890-1998-2	SS14	Total/NA	Solid	5035	
MB 880-20209/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20209/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20209/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2012-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-2012-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1998-1	SS13	Total/NA	Solid	8021B	20209
890-1998-2	SS14	Total/NA	Solid	8021B	20209
MB 880-20209/5-A	Method Blank	Total/NA	Solid	8021B	20209
LCS 880-20209/1-A	Lab Control Sample	Total/NA	Solid	8021B	20209
LCSD 880-20209/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20209
890-2012-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	20209
890-2012-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20209

Analysis Batch: 20562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1998-1	SS13	Total/NA	Solid	Total BTEX	
890-1998-2	SS14	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1998-1	SS13	Total/NA	Solid	8015B NM	20253
MB 880-20253/1-A	Method Blank	Total/NA	Solid	8015B NM	20253
LCS 880-20253/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20253
LCSD 880-20253/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20253
880-11670-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	20253
880-11670-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20253

Prep Batch: 20253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1998-1	SS13	Total/NA	Solid	8015NM Prep	
MB 880-20253/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20253/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20253/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11670-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11670-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1998-1	SS13	Total/NA	Solid	8015 NM	
890-1998-2	SS14	Total/NA	Solid	8015 NM	

Prep Batch: 20367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1998-2	SS14	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

GC Semi VOA (Continued)

Prep Batch: 20367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-20367/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20367/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20367/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11681-A-14-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11681-A-14-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1998-2	SS14	Total/NA	Solid	8015B NM	20367
MB 880-20367/1-A	Method Blank	Total/NA	Solid	8015B NM	20367
LCS 880-20367/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20367
LCSD 880-20367/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20367
880-11681-A-14-D MS	Matrix Spike	Total/NA	Solid	8015B NM	20367
880-11681-A-14-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20367

HPLC/IC

Leach Batch: 20129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1998-1	SS13	Soluble	Solid	DI Leach	
890-1998-2	SS14	Soluble	Solid	DI Leach	
MB 880-20129/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20129/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20129/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1995-A-7-F MS	Matrix Spike	Soluble	Solid	DI Leach	
890-1995-A-7-G MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 20336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1998-1	SS13	Soluble	Solid	300.0	20129
890-1998-2	SS14	Soluble	Solid	300.0	20129
MB 880-20129/1-A	Method Blank	Soluble	Solid	300.0	20129
LCS 880-20129/2-A	Lab Control Sample	Soluble	Solid	300.0	20129
LCSD 880-20129/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20129
890-1995-A-7-F MS	Matrix Spike	Soluble	Solid	300.0	20129
890-1995-A-7-G MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	20129

Lab Chronicle

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

Client Sample ID: SS13

Date Collected: 02/22/22 10:32
Date Received: 02/22/22 15:10

Lab Sample ID: 890-1998-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	20209	02/28/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20398	02/28/22 16:50	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20562	02/28/22 18:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20339	02/25/22 15:07	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20253	02/24/22 15:51	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20195	02/25/22 01:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	20129	02/23/22 09:37	CH	XEN MID
Soluble	Analysis	300.0		1			20336	02/25/22 21:55	CH	XEN MID

Client Sample ID: SS14

Date Collected: 02/22/22 10:50
Date Received: 02/22/22 15:10

Lab Sample ID: 890-1998-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	20209	02/28/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20398	02/28/22 17:11	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20562	02/28/22 18:56	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20339	02/25/22 15:07	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20367	02/25/22 17:17	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20377	02/26/22 20:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	20129	02/23/22 09:37	CH	XEN MID
Soluble	Analysis	300.0		1			20336	02/25/22 22:01	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: 890-1998-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.00

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

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: EVGSAU Satellite 3

Job ID: 890-1998-1
SDG: 31403720.00

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1998-1	SS13	Solid	02/22/22 10:32	02/22/22 15:10	0.5
890-1998-2	SS14	Solid	02/22/22 10:50	02/22/22 15:10	0.5

Chain of Custody

Work Order No: _____

XENCO LABORATORIES

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

www.xenco.com Page 1 of 1

3/2/2022

Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	WSP USA	Company Name:	WSP USA
Address:	3300 North A Street Building 1, unit 222	Address:	3300 North A Street Building 1, unit 222
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	Midland, Texas 79705
Phone:	817-683-2503	Email:	Kalei.jennings@wsp.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	EVGSAU Satellite 3	Turn Around	
Project Number:	31403720.00	Routine ☐	
P.O. Number:		Rush:	
Sampler's Name:	Payton Benner	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Temperature (°C):	4.4/4.2	Thermometer ID	TWM-007	
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 8021)	Chloride (EPA 300.0)	Sample Comments
SS013	S	02/22/22	10:32	0.5	1	X	X	X	DISCRETE
SS0214	S	02/22/22	10:50	0.5	1	X	X	X	DISCRETE

890-1998 Chain of Custody

Work Order Notes

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

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of $75.00 will be applied to each project and a charge of $5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 pbenner	Cruz Cruz	2-22-22 1510	2		
3			4		
5			6		

Revised Date 051418 Rev 2018.1

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 890-639 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica.kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1998-1
Address: 1211 W Florida Ave,	Due Date Requested: 2/28/2022			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email:	WO #:			
Project Name: EVGSAU Satellite 3	Project #: 89000048			
Site:	SSOW#:			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc BTEX	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X						X	
SS013 (890-1998-1)	2/22/22	10 32 Mountain		Solid			X	X	X	X	X	1	
SS14 (890-1998-2)	2/22/22	10 50 Mountain		Solid			X	X	X	X	X	1	

Preservation Codes
A HCL, B - NaOH, C Zn Acetate, D - Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H - Ascorbic Acid, I Ice, J - DI Water, K EDTA, L EDA
M Hexane, N - None, O - AsNaO2, P Na2O4S, Q - Na2SO3, R Na2S2O3, S - H2SO4, T TSP Dodecahydrate, U - Acetone, V MCAA, W - pH 4-5, Z other (specify)
Other:

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing South Central LLC.

Possible Hazard Identification
Unconfirmed
Deliverable Requested I II, III, IV Other (specify) — Primary Deliverable Rank. 2

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* ______ *Months*
Special Instructions/QC Requirements

Empty Kit Relinquished by		Date	Time	Method of Shipment:	
Relinquished by: Cloe Cup 2·23·22	Date/Time:	Company	Received by: [signature]	Date/Time: 2/24/22	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No | Cooler Temperature(s) °C and Other Remarks.

Ver 06/08/2021

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1998-1
SDG Number: 31403720.00

Login Number: 1998
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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: 890-1998-1
SDG Number: 31403720.00

Login Number: 1998
List Number: 2
Creator: Teel, Brianna

List Source: Eurofins Midland
List Creation: 02/24/22 12:49 PM

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2022-1
Laboratory Sample Delivery Group: 31403720.000 Task 14.02
Client Project/Site: EVGSAU Satellite 3

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
3/2/2022 8:42:09 PM

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

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

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

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Laboratory Job ID: 890-2022-1
SDG: 31403720.000 Task 14.02

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-2022-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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

Case Narrative

Client: WSP USA Inc. Job ID: 890-2022-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

Job ID: 890-2022-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2022-1

Receipt
The sample was received on 2/25/2022 1:31 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

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

GC Semi VOA
Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-20421 and analytical batch 880-20405 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28)

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-20421/2-A) and (LCSD 880-20421/3-A). Percent recoveries are based on the amount spiked.

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

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2022-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS15

Date Collected: 02/25/22 11:10
Date Received: 02/25/22 13:31
Sample Depth: 0.25

Lab Sample ID: 890-2022-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/02/22 08:00	03/02/22 18:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/02/22 08:00	03/02/22 18:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/02/22 08:00	03/02/22 18:44	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/02/22 08:00	03/02/22 18:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/02/22 08:00	03/02/22 18:44	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		03/02/22 08:00	03/02/22 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/02/22 08:00*	*03/02/22 18:44*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/02/22 08:00*	*03/02/22 18:44*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			03/02/22 20:32	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/02/22 21:35	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		02/28/22 09:31	02/28/22 22:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		02/28/22 09:31	02/28/22 22:38	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/28/22 09:31	02/28/22 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*02/28/22 09:31*	*02/28/22 22:38*	*1*
o-Terphenyl	*106*		*70 - 130*	*02/28/22 09:31*	*02/28/22 22:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**182**		4.99		mg/Kg			03/02/22 13:35	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2022-1
SDG: 31403720.000 Task 14.02

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)										
880-11814-A-1-B MS	Matrix Spike	124	91										
880-11814-A-1-C MSD	Matrix Spike Duplicate	136 S1+	87										
890-2022-1	SS15	109	96										
LCS 880-20523/1-A	Lab Control Sample	100	101										
LCSD 880-20523/2-A	Lab Control Sample Dup	102	100										
MB 880-20523/5-A	Method Blank	104	96										

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
		1CO1	OTPH1										
Lab Sample ID	Client Sample ID	(70-130)	(70-130)										
890-2012-A-4-D MS	Matrix Spike	117	99										
890-2012-A-4-E MSD	Matrix Spike Duplicate	106	108										
890-2022-1	SS15	112	106										
LCS 880-20421/2-A	Lab Control Sample	491 S1+	482 S1+										
LCSD 880-20421/3-A	Lab Control Sample Dup	617 S1+	598 S1+										
MB 880-20421/1-A	Method Blank	123	126										

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2022-1
SDG: 31403720.000 Task 14.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20523/5-A
Matrix: Solid
Analysis Batch: 20656

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20523

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/02/22 08:00	03/02/22 10:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/02/22 08:00	03/02/22 10:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/02/22 08:00	03/02/22 10:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/02/22 08:00	03/02/22 10:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/02/22 08:00	03/02/22 10:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/02/22 08:00	03/02/22 10:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/02/22 08:00*	*03/02/22 10:52*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*03/02/22 08:00*	*03/02/22 10:52*	*1*

Lab Sample ID: LCS 880-20523/1-A
Matrix: Solid
Analysis Batch: 20656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20523

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1010		mg/Kg		101	70 - 130		
Toluene			0.100	0.09891		mg/Kg		99	70 - 130		
Ethylbenzene			0.100	0.09931		mg/Kg		99	70 - 130		
m-Xylene & p-Xylene			0.200	0.2053		mg/Kg		103	70 - 130		
o-Xylene			0.100	0.1006		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-20523/2-A
Matrix: Solid
Analysis Batch: 20656

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20523

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1081		mg/Kg		108	70 - 130	7	35
Toluene			0.100	0.1065		mg/Kg		107	70 - 130	7	35
Ethylbenzene			0.100	0.1073		mg/Kg		107	70 - 130	8	35
m-Xylene & p-Xylene			0.200	0.2216		mg/Kg		111	70 - 130	8	35
o-Xylene			0.100	0.1087		mg/Kg		109	70 - 130	8	35

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

Lab Sample ID: 880-11814-A-1-B MS
Matrix: Solid
Analysis Batch: 20656

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20523

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U F1 F2	0.101	0.006109	F1	mg/Kg		5	70 - 130		
Toluene	0.00355	F1 F2	0.101	0.05388	F1	mg/Kg		50	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2022-1
SDG: 31403720.000 Task 14.02

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

Lab Sample ID: 880-11814-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 20656 — **Prep Batch: 20523**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.101	0.03209	F1	mg/Kg		31	70 - 130
m-Xylene & p-Xylene	<0.00400	U F1	0.202	0.3573	F1	mg/Kg		175	70 - 130
o-Xylene	<0.00200	U F1	0.101	0.1313		mg/Kg		128	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*

Lab Sample ID: 880-11814-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 20656 — **Prep Batch: 20523**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U F1 F2	0.0994	0.01011	F1 F2	mg/Kg		9	70 - 130	49	35
Toluene	0.00355	F1 F2	0.0994	0.09011	F2	mg/Kg		87	70 - 130	50	35
Ethylbenzene	<0.00200	U F1	0.0994	0.04057	F1	mg/Kg		40	70 - 130	23	35
m-Xylene & p-Xylene	<0.00400	U F1	0.199	0.4460	F1	mg/Kg		223	70 - 130	22	35
o-Xylene	<0.00200	U F1	0.0994	0.1525	F1	mg/Kg		152	70 - 130	15	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*

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

Lab Sample ID: MB 880-20421/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 20405 — **Prep Batch: 20421**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/28/22 09:31	02/28/22 13:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/28/22 09:31	02/28/22 13:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/28/22 09:31	02/28/22 13:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*02/28/22 09:31*	*02/28/22 13:48*	*1*
o-Terphenyl	*126*		*70 - 130*	*02/28/22 09:31*	*02/28/22 13:48*	*1*

Lab Sample ID: LCS 880-20421/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 20405 — **Prep Batch: 20421**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1075		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)			1000	916.2		mg/Kg		92	70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2022-1
SDG: 31403720.000 Task 14.02

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

Lab Sample ID: LCS 880-20421/2-A
Matrix: Solid
Analysis Batch: 20405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20421

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	491	S1+	70 - 130
o-Terphenyl	482	S1+	70 - 130

Lab Sample ID: LCSD 880-20421/3-A
Matrix: Solid
Analysis Batch: 20405

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20421

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1252		mg/Kg		125	70 - 130	15	20
Diesel Range Organics (Over C10-C28)			1000	1190	*1	mg/Kg		119	70 - 130	26	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	617	S1+	70 - 130
o-Terphenyl	598	S1+	70 - 130

Lab Sample ID: 890-2012-A-4-D MS
Matrix: Solid
Analysis Batch: 20405

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20421

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	1000	1341	F1	mg/Kg		133	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U *1	1000	1203		mg/Kg		119	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 890-2012-A-4-E MSD
Matrix: Solid
Analysis Batch: 20405

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 20421

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	998	1308		mg/Kg		129	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U *1	998	1166		mg/Kg		115	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	108		70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2022-1
SDG: 31403720.000 Task 14.02

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20497/1-A
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/02/22 12:08	1

Lab Sample ID: LCS 880-20497/2-A
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	272.4		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-20497/3-A
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	266.1		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 880-11760-A-1-E MS
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	68.2		252	320.0		mg/Kg		100	90 - 110		

Lab Sample ID: 880-11760-A-1-F MSD
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	68.2		252	316.5		mg/Kg		99	90 - 110	1	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-2022-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

GC VOA

Prep Batch: 20523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2022-1	SS15	Total/NA	Solid	5035	
MB 880-20523/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20523/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20523/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11814-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-11814-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2022-1	SS15	Total/NA	Solid	8021B	20523
MB 880-20523/5-A	Method Blank	Total/NA	Solid	8021B	20523
LCS 880-20523/1-A	Lab Control Sample	Total/NA	Solid	8021B	20523
LCSD 880-20523/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20523
880-11814-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	20523
880-11814-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20523

Analysis Batch: 20743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2022-1	SS15	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2022-1	SS15	Total/NA	Solid	8015B NM	20421
MB 880-20421/1-A	Method Blank	Total/NA	Solid	8015B NM	20421
LCS 880-20421/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20421
LCSD 880-20421/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20421
890-2012-A-4-D MS	Matrix Spike	Total/NA	Solid	8015B NM	20421
890-2012-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20421

Prep Batch: 20421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2022-1	SS15	Total/NA	Solid	8015NM Prep	
MB 880-20421/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20421/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20421/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2012-A-4-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2012-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2022-1	SS15	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2022-1	SS15	Soluble	Solid	DI Leach	
MB 880-20497/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20497/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20497/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-2022-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

HPLC/IC (Continued)

Leach Batch: 20497 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11760-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11760-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 20689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2022-1	SS15	Soluble	Solid	300.0	20497
MB 880-20497/1-A	Method Blank	Soluble	Solid	300.0	20497
LCS 880-20497/2-A	Lab Control Sample	Soluble	Solid	300.0	20497
LCSD 880-20497/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20497
880-11760-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	20497
880-11760-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	20497

Lab Chronicle

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2022-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS15

Date Collected: 02/25/22 11:10
Date Received: 02/25/22 13:31

Lab Sample ID: 890-2022-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	20523	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20656	03/02/22 18:44	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20743	03/02/22 20:32	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20745	03/02/22 21:35	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20421	02/28/22 09:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20405	02/28/22 22:38	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20497	02/28/22 12:47	SC	XEN MID
Soluble	Analysis	300.0		1			20689	03/02/22 13:35	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.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2022-1
SDG: 31403720.000 Task 14.02

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2022-1
SDG: 31403720.000 Task 14.02

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: EVGSAU Satellite 3

Job ID: 890-2022-1
SDG: 31403720.000 Task 14.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2022-1	SS15	Solid	02/25/22 11:10	02/25/22 13:31	0.25

1 2 3 4 5 6 7 8 9 10 11 12 13 14

Chain of Custody

Work Order No: ______

XENCO LABORATORIES

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

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Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	WSP USA	Company Name:	WSP USA
Address:	3300 North A Street Building 1, unit 222	Address:	3300 North A Street Building 1, unit 222
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	Midland, Texas 79705
Phone:	817-683-2503	Email:	Kalei.jennings@wsp.com

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	EVGSAU Satellite 3	**Turn Around**	
Project Number:	31403720.000 Task 14.02	Routine ☐	
P.O. Number:		Rush: 3 Day	
Sampler's Name:	Payton Benner	Due Date:	

ANALYSIS REQUEST

890-2022 Chain of Custody

Work Order Notes

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

SAMPLE RECEIPT	Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Temperature (°C):	1.4 / 1.2	Thermometer ID	T-NM-007	
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
SS15	S	02/25/22	11:10	0.25	1	X	X	X	DISCRETE

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 PBenner	N. Olu	2/25/22 1:31	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-2022-1
SDG Number: 31403720.000 Task 14.02

Login Number: 2022
List Number: 1
Creator: Olivas, Nathaniel

List Source: Eurofins Carlsbad

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: 890-2022-1
SDG Number: 31403720.000 Task 14.02

Login Number: 2022
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 02/28/22 08:58 AM

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2023-1
Laboratory Sample Delivery Group: 31403720.000 Task 14.02
Client Project/Site: EVGSAU Satellite 3

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
3/2/2022 9:32:37 PM

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

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Laboratory Job ID: 890-2023-1
SDG: 31403720.000 Task 14.02

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-2023-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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

Case Narrative

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2023-1
SDG: 31403720.000 Task 14.02

Job ID: 890-2023-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2023-1

Receipt
The sample was received on 2/25/2022 1:31 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

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

GC Semi VOA
Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-20421 and analytical batch 880-20405 recovered outside control limits for the following analytes: Diesel Range Organics (Over C10-C28)

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-20421/2-A) and (LCSD 880-20421/3-A). Percent recoveries are based on the amount spiked.

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

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2023-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS16

Date Collected: 02/25/22 11:12
Date Received: 02/25/22 13:31
Sample Depth: 0.25

Lab Sample ID: 890-2023-1

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		03/02/22 16:00	03/02/22 22:06	1
Toluene	<0.00198	U	0.00198		mg/Kg		03/02/22 16:00	03/02/22 22:06	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		03/02/22 16:00	03/02/22 22:06	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		03/02/22 16:00	03/02/22 22:06	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		03/02/22 16:00	03/02/22 22:06	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		03/02/22 16:00	03/02/22 22:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*03/02/22 16:00*	*03/02/22 22:06*	*1*
1,4-Difluorobenzene (Surr)	*91*		*70 - 130*	*03/02/22 16:00*	*03/02/22 22:06*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			03/02/22 22:24	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/28/22 19:38	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		02/28/22 09:31	02/28/22 16:59	1
Diesel Range Organics (Over C10-C28)	<50.0	U *1	50.0		mg/Kg		02/28/22 09:31	02/28/22 16:59	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/28/22 09:31	02/28/22 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*02/28/22 09:31*	*02/28/22 16:59*	*1*
o-Terphenyl	*99*		*70 - 130*	*02/28/22 09:31*	*02/28/22 16:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.1**		5.04		mg/Kg			03/02/22 13:41	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2023-1
SDG: 31403720.000 Task 14.02

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)
880-11907-A-1-B MS	Matrix Spike	98	106
880-11907-A-1-C MSD	Matrix Spike Duplicate	94	98
890-2023-1	SS16	83	91
LCS 880-20605/1-A	Lab Control Sample	101	124
LCSD 880-20605/2-A	Lab Control Sample Dup	97	102
MB 880-20605/5-A	Method Blank	49 S1-	101

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-2012-A-4-D MS	Matrix Spike	117	99
890-2012-A-4-E MSD	Matrix Spike Duplicate	106	108
890-2023-1	SS16	103	99
LCS 880-20421/2-A	Lab Control Sample	491 S1+	482 S1+
LCSD 880-20421/3-A	Lab Control Sample Dup	617 S1+	598 S1+
MB 880-20421/1-A	Method Blank	123	126

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2023-1
SDG: 31403720.000 Task 14.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20605/5-A
Matrix: Solid
Analysis Batch: 20710

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20605

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/02/22 16:00	03/02/22 20:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/02/22 16:00	03/02/22 20:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/02/22 16:00	03/02/22 20:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*49*	*S1-*	*70 - 130*	*03/02/22 16:00*	*03/02/22 20:20*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/02/22 16:00*	*03/02/22 20:20*	*1*

Lab Sample ID: LCS 880-20605/1-A
Matrix: Solid
Analysis Batch: 20710

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20605

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1224		mg/Kg		122	70 - 130		
Toluene			0.100	0.1044		mg/Kg		104	70 - 130		
Ethylbenzene			0.100	0.1072		mg/Kg		107	70 - 130		
m-Xylene & p-Xylene			0.200	0.2201		mg/Kg		110	70 - 130		
o-Xylene			0.100	0.1072		mg/Kg		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*

Lab Sample ID: LCSD 880-20605/2-A
Matrix: Solid
Analysis Batch: 20710

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20605

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1058		mg/Kg		106	70 - 130	15	35
Toluene			0.100	0.09560		mg/Kg		96	70 - 130	9	35
Ethylbenzene			0.100	0.1004		mg/Kg		100	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2080		mg/Kg		104	70 - 130	6	35
o-Xylene			0.100	0.09996		mg/Kg		100	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-11907-A-1-B MS
Matrix: Solid
Analysis Batch: 20710

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.101	0.07733		mg/Kg		77	70 - 130		
Toluene	<0.00200	U F1	0.101	0.06553	F1	mg/Kg		65	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2023-1
SDG: 31403720.000 Task 14.02

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

Lab Sample ID: 880-11907-A-1-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 20710 — **Prep Batch: 20605**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.101	0.06954	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1418		mg/Kg		70	70 - 130
o-Xylene	<0.00200	U	0.101	0.07034		mg/Kg		70	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 880-11907-A-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 20710 — **Prep Batch: 20605**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.07748		mg/Kg		77	70 - 130	0	35
Toluene	<0.00200	U F1	0.100	0.06554	F1	mg/Kg		65	70 - 130	0	35
Ethylbenzene	<0.00200	U F1	0.100	0.07098		mg/Kg		71	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1454		mg/Kg		72	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.07552		mg/Kg		75	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-20421/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 20405 — **Prep Batch: 20421**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/28/22 09:31	02/28/22 13:48	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/28/22 09:31	02/28/22 13:48	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/28/22 09:31	02/28/22 13:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*02/28/22 09:31*	*02/28/22 13:48*	*1*
o-Terphenyl	*126*		*70 - 130*	*02/28/22 09:31*	*02/28/22 13:48*	*1*

Lab Sample ID: LCS 880-20421/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 20405 — **Prep Batch: 20421**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1075		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)			1000	916.2		mg/Kg		92	70 - 130

QC Sample Results

Client: WSP USA Inc. Job ID: 890-2023-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

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

Lab Sample ID: LCS 880-20421/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 20405 **Prep Batch: 20421**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	491	S1+	70 - 130
o-Terphenyl	482	S1+	70 - 130

Lab Sample ID: LCSD 880-20421/3-A **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 20405 **Prep Batch: 20421**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1252		mg/Kg		125	70 - 130	15	20
Diesel Range Organics (Over C10-C28)			1000	1190	*1	mg/Kg		119	70 - 130	26	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	617	S1+	70 - 130
o-Terphenyl	598	S1+	70 - 130

Lab Sample ID: 890-2012-A-4-D MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 20405 **Prep Batch: 20421**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	1000	1341	F1	mg/Kg		133	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U *1	1000	1203		mg/Kg		119	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 890-2012-A-4-E MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 20405 **Prep Batch: 20421**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F1	998	1308		mg/Kg		129	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U *1	998	1166		mg/Kg		115	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	108		70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2023-1
SDG: 31403720.000 Task 14.02

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20497/1-A
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/02/22 12:08	1

Lab Sample ID: LCS 880-20497/2-A
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	272.4		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-20497/3-A
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	266.1		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 880-11760-A-1-E MS
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	68.2		252	320.0		mg/Kg		100	90 - 110		

Lab Sample ID: 880-11760-A-1-F MSD
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	68.2		252	316.5		mg/Kg		99	90 - 110	1	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-2023-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

GC VOA

Prep Batch: 20605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2023-1	SS16	Total/NA	Solid	5035	
MB 880-20605/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20605/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20605/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11907-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-11907-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2023-1	SS16	Total/NA	Solid	8021B	20605
MB 880-20605/5-A	Method Blank	Total/NA	Solid	8021B	20605
LCS 880-20605/1-A	Lab Control Sample	Total/NA	Solid	8021B	20605
LCSD 880-20605/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20605
880-11907-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	20605
880-11907-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20605

Analysis Batch: 20748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2023-1	SS16	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2023-1	SS16	Total/NA	Solid	8015B NM	20421
MB 880-20421/1-A	Method Blank	Total/NA	Solid	8015B NM	20421
LCS 880-20421/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20421
LCSD 880-20421/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20421
890-2012-A-4-D MS	Matrix Spike	Total/NA	Solid	8015B NM	20421
890-2012-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20421

Prep Batch: 20421

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2023-1	SS16	Total/NA	Solid	8015NM Prep	
MB 880-20421/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20421/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20421/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2012-A-4-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2012-A-4-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2023-1	SS16	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2023-1	SS16	Soluble	Solid	DI Leach	
MB 880-20497/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20497/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20497/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2023-1
SDG: 31403720.000 Task 14.02

HPLC/IC (Continued)

Leach Batch: 20497 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-11760-A-1-E MS	Matrix Spike	Soluble	Solid	DI Leach	
880-11760-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 20689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2023-1	SS16	Soluble	Solid	300.0	20497
MB 880-20497/1-A	Method Blank	Soluble	Solid	300.0	20497
LCS 880-20497/2-A	Lab Control Sample	Soluble	Solid	300.0	20497
LCSD 880-20497/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20497
880-11760-A-1-E MS	Matrix Spike	Soluble	Solid	300.0	20497
880-11760-A-1-F MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	20497

Lab Chronicle

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2023-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS16
Date Collected: 02/25/22 11:12
Date Received: 02/25/22 13:31

Lab Sample ID: 890-2023-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	20605	03/02/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/02/22 22:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20748	03/02/22 22:24	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20564	02/28/22 19:38	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20421	02/28/22 09:31	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20405	02/28/22 16:59	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	20497	02/28/22 12:47	SC	XEN MID
Soluble	Analysis	300.0		1			20689	03/02/22 13:41	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: 890-2023-1
Project/Site: EVGSAU Satellite 3
SDG: 31403720.000 Task 14.02

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2023-1
SDG: 31403720.000 Task 14.02

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: EVGSAU Satellite 3

Job ID: 890-2023-1
SDG: 31403720.000 Task 14.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2023-1	SS16	Solid	02/25/22 11:12	02/25/22 13:31	0.25

Chain of Custody

Work Order No: _____

XENCO LABORATORIES

Houston,TX (281) 240-4200 Dallas,TX (214) 902-0300 San Antonio,TX (210) 509-3334
Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296
Hobbs,NM (575-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (813-620-2000)
www.xenco.com Page 1 of 1

3/2/2022

Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	WSP USA	Company Name:	WSP USA
Address:	3300 North A Street Building 1, unit 222	Address:	3300 North A Street Building 1, unit 222
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	Midland, Texas 79705
Phone:	817-683-2503	Email:	Kalei.jennings@wsp.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐

State of Project:

Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐

Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	EVGSAU Satellite 3	Turn Around	
Project Number:	31403720.000 Task 14.02	Routine ☐	
P.O. Number:		Rush: 3 Day	
Sampler's Name:	Payton Benner	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Temperature (°C):	1.4 1.2	Thermometer ID		
Received Intact:	(Yes) No	T-NM-007		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
SS16	S	02/25/22	11:12	0.25	1	X	X	X

890-2023 Chain of Custody

Work Order Notes

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

Sample Comments

DISCRETE

Page 17 of 19

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2/25/22 1:31	2		
3			4		
5			6		

Revised Date 051418 Rev 2018 1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-2023-1
SDG Number: 31403720.000 Task 14.02

Login Number: 2023
List Number: 1
Creator: Olivas, Nathaniel

List Source: Eurofins Carlsbad

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: 890-2023-1
SDG Number: 31403720.000 Task 14.02

Login Number: 2023
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 02/28/22 08:58 AM

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2024-1
Laboratory Sample Delivery Group: 31403720.000 Task 14.02
Client Project/Site: EVGSAU Satellite 3

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
3/2/2022 9:57:19 PM

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

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

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

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Laboratory Job ID: 890-2024-1
SDG: 31403720.000 Task 14.02

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-2024-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
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

Case Narrative

Client: WSP USA Inc. Job ID: 890-2024-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

Job ID: 890-2024-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2024-1

Receipt
The sample was received on 2/25/2022 1:32 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

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

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

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2024-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS17
Date Collected: 02/25/22 11:14
Date Received: 02/25/22 13:32
Sample Depth: 0.25

Lab Sample ID: 890-2024-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/02/22 16:00	03/02/22 22:34	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/02/22 16:00	03/02/22 22:34	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/02/22 16:00	03/02/22 22:34	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/02/22 16:00	03/02/22 22:34	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/02/22 16:00	03/02/22 22:34	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/02/22 16:00	03/02/22 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*03/02/22 16:00*	*03/02/22 22:34*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*03/02/22 16:00*	*03/02/22 22:34*	*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			03/02/22 22:47	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/02/22 20:33	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	<49.9	U	49.9		mg/Kg		02/28/22 16:41	03/01/22 03:24	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/28/22 16:41	03/01/22 03:24	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/28/22 16:41	03/01/22 03:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*02/28/22 16:41*	*03/01/22 03:24*	*1*
o-Terphenyl	*108*		*70 - 130*	*02/28/22 16:41*	*03/01/22 03:24*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.5**		5.02		mg/Kg			03/02/22 13:47	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2024-1
SDG: 31403720.000 Task 14.02

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)
880-11907-A-1-B MS	Matrix Spike	98	106
880-11907-A-1-C MSD	Matrix Spike Duplicate	94	98
890-2024-1	SS17	75	80
LCS 880-20605/1-A	Lab Control Sample	101	124
LCSD 880-20605/2-A	Lab Control Sample Dup	97	102
MB 880-20605/5-A	Method Blank	49 S1-	101

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-11774-A-1-E MS	Matrix Spike	106	105
880-11774-A-1-F MSD	Matrix Spike Duplicate	101	91
890-2024-1	SS17	111	108
LCS 880-20541/2-A	Lab Control Sample	115	118
LCSD 880-20541/3-A	Lab Control Sample Dup	127	121
MB 880-20541/1-A	Method Blank	127	125

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2024-1
SDG: 31403720.000 Task 14.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20605/5-A
Matrix: Solid
Analysis Batch: 20710

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20605

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/02/22 16:00	03/02/22 20:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/02/22 16:00	03/02/22 20:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/02/22 16:00	03/02/22 20:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/02/22 16:00	03/02/22 20:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*49*	*S1-*	*70 - 130*	*03/02/22 16:00*	*03/02/22 20:20*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/02/22 16:00*	*03/02/22 20:20*	*1*

Lab Sample ID: LCS 880-20605/1-A
Matrix: Solid
Analysis Batch: 20710

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20605

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.1224		mg/Kg		122	70 - 130		
Toluene			0.100	0.1044		mg/Kg		104	70 - 130		
Ethylbenzene			0.100	0.1072		mg/Kg		107	70 - 130		
m-Xylene & p-Xylene			0.200	0.2201		mg/Kg		110	70 - 130		
o-Xylene			0.100	0.1072		mg/Kg		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*

Lab Sample ID: LCSD 880-20605/2-A
Matrix: Solid
Analysis Batch: 20710

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20605

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.1058		mg/Kg		106	70 - 130	15	35
Toluene			0.100	0.09560		mg/Kg		96	70 - 130	9	35
Ethylbenzene			0.100	0.1004		mg/Kg		100	70 - 130	6	35
m-Xylene & p-Xylene			0.200	0.2080		mg/Kg		104	70 - 130	6	35
o-Xylene			0.100	0.09996		mg/Kg		100	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 880-11907-A-1-B MS
Matrix: Solid
Analysis Batch: 20710

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00200	U	0.101	0.07733		mg/Kg		77	70 - 130		
Toluene	<0.00200	U F1	0.101	0.06553	F1	mg/Kg		65	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2024-1
SDG: 31403720.000 Task 14.02

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

Lab Sample ID: 880-11907-A-1-B MS
Matrix: Solid
Analysis Batch: 20710

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20605

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00200	U F1	0.101	0.06954	F1	mg/Kg		69	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1418		mg/Kg		70	70 - 130
o-Xylene	<0.00200	U	0.101	0.07034		mg/Kg		70	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: 880-11907-A-1-C MSD
Matrix: Solid
Analysis Batch: 20710

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 20605

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.07748		mg/Kg		77	70 - 130	0	35
Toluene	<0.00200	U F1	0.100	0.06554	F1	mg/Kg		65	70 - 130	0	35
Ethylbenzene	<0.00200	U F1	0.100	0.07098		mg/Kg		71	70 - 130	2	35
m-Xylene & p-Xylene	<0.00401	U	0.201	0.1454		mg/Kg		72	70 - 130	3	35
o-Xylene	<0.00200	U	0.100	0.07552		mg/Kg		75	70 - 130	7	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-20541/1-A
Matrix: Solid
Analysis Batch: 20405

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20541

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/28/22 16:41	02/28/22 23:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/28/22 16:41	02/28/22 23:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/28/22 16:41	02/28/22 23:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*02/28/22 16:41*	*02/28/22 23:19*	*1*
o-Terphenyl	*125*		*70 - 130*	*02/28/22 16:41*	*02/28/22 23:19*	*1*

Lab Sample ID: LCS 880-20541/2-A
Matrix: Solid
Analysis Batch: 20405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20541

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1115		mg/Kg		111	70 - 130
Diesel Range Organics (Over C10-C28)			1000	958.8		mg/Kg		96	70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2024-1
SDG: 31403720.000 Task 14.02

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

Lab Sample ID: LCS 880-20541/2-A
Matrix: Solid
Analysis Batch: 20405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20541

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-20541/3-A
Matrix: Solid
Analysis Batch: 20405

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20541

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1159		mg/Kg		116	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	997.6		mg/Kg		100	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	127		70 - 130
o-Terphenyl	121		70 - 130

Lab Sample ID: 880-11774-A-1-E MS
Matrix: Solid
Analysis Batch: 20405

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20541

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1167		mg/Kg		114	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	965.6		mg/Kg		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 880-11774-A-1-F MSD
Matrix: Solid
Analysis Batch: 20405

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 20541

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1094		mg/Kg		107	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	937.8		mg/Kg		94	70 - 130	3	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	91		70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2024-1
SDG: 31403720.000 Task 14.02

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20497/1-A
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/02/22 12:08	1

Lab Sample ID: LCS 880-20497/2-A
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	272.4		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-20497/3-A
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	266.1		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 890-2024-1 MS
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: SS17
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	26.5		251	278.5		mg/Kg		100	90 - 110		

Lab Sample ID: 890-2024-1 MSD
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: SS17
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	26.5		251	258.8		mg/Kg		93	90 - 110	7	20

QC Association Summary

Client: WSP USA Inc. Job ID: 890-2024-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

GC VOA

Prep Batch: 20605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2024-1	SS17	Total/NA	Solid	5035	
MB 880-20605/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20605/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20605/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-11907-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-11907-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 20710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2024-1	SS17	Total/NA	Solid	8021B	20605
MB 880-20605/5-A	Method Blank	Total/NA	Solid	8021B	20605
LCS 880-20605/1-A	Lab Control Sample	Total/NA	Solid	8021B	20605
LCSD 880-20605/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20605
880-11907-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	20605
880-11907-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20605

Analysis Batch: 20749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2024-1	SS17	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 20405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2024-1	SS17	Total/NA	Solid	8015B NM	20541
MB 880-20541/1-A	Method Blank	Total/NA	Solid	8015B NM	20541
LCS 880-20541/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20541
LCSD 880-20541/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20541
880-11774-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	20541
880-11774-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20541

Prep Batch: 20541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2024-1	SS17	Total/NA	Solid	8015NM Prep	
MB 880-20541/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20541/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20541/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-11774-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-11774-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2024-1	SS17	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2024-1	SS17	Soluble	Solid	DI Leach	
MB 880-20497/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20497/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20497/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2024-1
SDG: 31403720.000 Task 14.02

HPLC/IC (Continued)

Leach Batch: 20497 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2024-1 MS	SS17	Soluble	Solid	DI Leach	
890-2024-1 MSD	SS17	Soluble	Solid	DI Leach	

Analysis Batch: 20689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2024-1	SS17	Soluble	Solid	300.0	20497
MB 880-20497/1-A	Method Blank	Soluble	Solid	300.0	20497
LCS 880-20497/2-A	Lab Control Sample	Soluble	Solid	300.0	20497
LCSD 880-20497/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20497
890-2024-1 MS	SS17	Soluble	Solid	300.0	20497
890-2024-1 MSD	SS17	Soluble	Solid	300.0	20497

Lab Chronicle

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2024-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS17
Date Collected: 02/25/22 11:14
Date Received: 02/25/22 13:32

Lab Sample ID: 890-2024-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	20605	03/02/22 16:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20710	03/02/22 22:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			20749	03/02/22 22:47	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20564	03/02/22 20:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20541	02/28/22 16:41	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20405	03/01/22 03:24	AJ	XEN MID
Soluble	Leach	DI Leach			4.98 g	50 mL	20497	02/28/22 12:47	SC	XEN MID
Soluble	Analysis	300.0		1			20689	03/02/22 13:47	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: 890-2024-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2024-1
SDG: 31403720.000 Task 14.02

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: EVGSAU Satellite 3

Job ID: 890-2024-1
SDG: 31403720.000 Task 14.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2024-1	SS17	Solid	02/25/22 11:14	02/25/22 13:32	0.25

Chain of Custody

XENCO LABORATORIES

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

Work Order No: _____

www.xenco.com Page 1 of 1

Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	WSP USA	Company Name:	WSP USA
Address:	3300 North A Street Building 1, unit 222	Address:	3300 North A Street Building 1, unit 222
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	Midland, Texas 79705
Phone:	817-683-2503	Email:	Kalei.jennings@wsp.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	EVGSAU Satellite 3	Turn Around	
Project Number:	31403720.000 Task 14.02	Routine ☐	
P.O. Number:		Rush: 3 Day	
Sampler's Name:	Payton Benner	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes / No	Wet Ice:	Yes / No	
Temperature (°C):	1.4/1.2	Thermometer ID		
Received Intact:	Yes / No			
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 8021)	Chloride (EPA 300.0)
SS17	S	02/25/22	11:14	0.25	1	X	X	X

890-2024 Chain of Custody

Work Order Notes

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

Sample Comments

DISCRETE

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		2/25/22 1:32	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-2024-1
SDG Number: 31403720.000 Task 14.02

Login Number: 2024
List Number: 1
Creator: Olivas, Nathaniel

List Source: Eurofins Carlsbad

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: 890-2024-1
SDG Number: 31403720.000 Task 14.02

Login Number: 2024
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 02/28/22 08:58 AM

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 890-2025-1
Laboratory Sample Delivery Group: 31403720.000 Task 14.02
Client Project/Site: EVGSAU Satellite 3

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
3/2/2022 7:37:28 PM

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

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

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

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Laboratory Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-2025-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
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

Case Narrative

Client: WSP USA Inc. Job ID: 890-2025-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

Job ID: 890-2025-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2025-1

Receipt
The samples were received on 2/25/2022 1:31 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

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

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

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS01

Lab Sample ID: 890-2025-1
Matrix: Solid
Date Collected: 02/25/22 10:50
Date Received: 02/25/22 13:31
Sample Depth: 0.25

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/02/22 08:00	03/02/22 16:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/02/22 08:00	03/02/22 16:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/02/22 08:00	03/02/22 16:42	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/02/22 08:00	03/02/22 16:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/02/22 08:00	03/02/22 16:42	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/02/22 08:00	03/02/22 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*03/02/22 08:00*	*03/02/22 16:42*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*03/02/22 08:00*	*03/02/22 16:42*	*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			03/02/22 10:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**71.6**		49.9		mg/Kg			03/02/22 09:22	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	<49.9	U	49.9		mg/Kg		03/01/22 09:47	03/01/22 16:49	1
Diesel Range Organics (Over C10-C28)	**71.6**		49.9		mg/Kg		03/01/22 09:47	03/01/22 16:49	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/01/22 09:47	03/01/22 16:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*03/01/22 09:47*	*03/01/22 16:49*	*1*
o-Terphenyl	*111*		*70 - 130*	*03/01/22 09:47*	*03/01/22 16:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**407**		4.97		mg/Kg			03/02/22 14:05	1

Client Sample ID: SS02

Lab Sample ID: 890-2025-2
Matrix: Solid
Date Collected: 02/25/22 10:52
Date Received: 02/25/22 13:31
Sample Depth: 0.25

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/02/22 08:00	03/02/22 17:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/02/22 08:00	03/02/22 17:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/02/22 08:00	03/02/22 17:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/02/22 08:00	03/02/22 17:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/02/22 08:00	03/02/22 17:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/02/22 08:00	03/02/22 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*03/02/22 08:00*	*03/02/22 17:02*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS02

Lab Sample ID: 890-2025-2
Matrix: Solid
Date Collected: 02/25/22 10:52
Date Received: 02/25/22 13:31
Sample Depth: 0.25

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/02/22 08:00*	*03/02/22 17:02*	*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			03/02/22 10:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**66.1**		50.0	mg/Kg			03/02/22 09:22	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		03/01/22 09:47	03/01/22 17:09	1
Diesel Range Organics (Over C10-C28)	**66.1**		50.0	mg/Kg		03/01/22 09:47	03/01/22 17:09	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		03/01/22 09:47	03/01/22 17:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*104*		*70 - 130*	*03/01/22 09:47*	*03/01/22 17:09*	*1*
o-Terphenyl	*98*		*70 - 130*	*03/01/22 09:47*	*03/01/22 17:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26.1**		5.05	mg/Kg			03/02/22 14:11	1

Client Sample ID: SS03

Lab Sample ID: 890-2025-3
Matrix: Solid
Date Collected: 02/25/22 10:54
Date Received: 02/25/22 13:31
Sample Depth: 0.25

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		03/02/22 08:00	03/02/22 17:23	1
Toluene	<0.00199	U	0.00199	mg/Kg		03/02/22 08:00	03/02/22 17:23	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		03/02/22 08:00	03/02/22 17:23	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		03/02/22 08:00	03/02/22 17:23	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		03/02/22 08:00	03/02/22 17:23	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		03/02/22 08:00	03/02/22 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*03/02/22 08:00*	*03/02/22 17:23*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/02/22 08:00*	*03/02/22 17:23*	*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			03/02/22 10:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**60.7**		50.0	mg/Kg			03/02/22 09:22	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS03

Date Collected: 02/25/22 10:54
Date Received: 02/25/22 13:31
Sample Depth: 0.25

Lab Sample ID: 890-2025-3

Matrix: Solid

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		03/01/22 09:47	03/01/22 17:29	1
Diesel Range Organics (Over C10-C28)	**60.7**		50.0		mg/Kg		03/01/22 09:47	03/01/22 17:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/01/22 09:47	03/01/22 17:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*03/01/22 09:47*	*03/01/22 17:29*	*1*
o-Terphenyl	*95*		*70 - 130*	*03/01/22 09:47*	*03/01/22 17:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**401**		5.03		mg/Kg			03/02/22 14:29	1

Client Sample ID: SS04

Date Collected: 02/25/22 10:56
Date Received: 02/25/22 13:31
Sample Depth: 0.25

Lab Sample ID: 890-2025-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/02/22 08:00	03/02/22 17:43	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/02/22 08:00	03/02/22 17:43	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/02/22 08:00	03/02/22 17:43	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/02/22 08:00	03/02/22 17:43	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/02/22 08:00	03/02/22 17:43	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/02/22 08:00	03/02/22 17:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*03/02/22 08:00*	*03/02/22 17:43*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*03/02/22 08:00*	*03/02/22 17:43*	*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			03/02/22 10:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			03/02/22 09:22	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	<49.8	U	49.8		mg/Kg		03/01/22 09:47	03/01/22 17:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		03/01/22 09:47	03/01/22 17:49	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		03/01/22 09:47	03/01/22 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*03/01/22 09:47*	*03/01/22 17:49*	*1*
o-Terphenyl	*106*		*70 - 130*	*03/01/22 09:47*	*03/01/22 17:49*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS04

Lab Sample ID: 890-2025-4
Matrix: Solid
Date Collected: 02/25/22 10:56
Date Received: 02/25/22 13:31
Sample Depth: 0.25

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	79.8		5.03		mg/Kg			03/02/22 14:35	1

Client Sample ID: SS05

Lab Sample ID: 890-2025-5
Matrix: Solid
Date Collected: 02/25/22 10:58
Date Received: 02/25/22 13:31
Sample Depth: 0.25

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/02/22 08:00	03/02/22 18:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/02/22 08:00	03/02/22 18:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/02/22 08:00	03/02/22 18:04	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		03/02/22 08:00	03/02/22 18:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/02/22 08:00	03/02/22 18:04	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		03/02/22 08:00	03/02/22 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/02/22 08:00*	*03/02/22 18:04*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*03/02/22 08:00*	*03/02/22 18:04*	*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			03/02/22 10:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/02/22 09:22	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		03/01/22 09:47	03/01/22 18:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/01/22 09:47	03/01/22 18:09	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/01/22 09:47	03/01/22 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/01/22 09:47*	*03/01/22 18:09*	*1*
o-Terphenyl	*104*		*70 - 130*	*03/01/22 09:47*	*03/01/22 18:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	206		4.99		mg/Kg			03/02/22 14:41	1

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS06

Lab Sample ID: 890-2025-6
Matrix: Solid
Date Collected: 02/25/22 11:00
Date Received: 02/25/22 13:31
Sample Depth: 0.25

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/02/22 08:00	03/02/22 18:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/02/22 08:00	03/02/22 18:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/02/22 08:00	03/02/22 18:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/02/22 08:00	03/02/22 18:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/02/22 08:00	03/02/22 18:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/02/22 08:00	03/02/22 18:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*03/02/22 08:00*	*03/02/22 18:24*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*03/02/22 08:00*	*03/02/22 18:24*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			03/02/22 10:25	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/02/22 09:22	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		03/01/22 09:47	03/01/22 18:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/01/22 09:47	03/01/22 18:29	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/01/22 09:47	03/01/22 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*03/01/22 09:47*	*03/01/22 18:29*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/01/22 09:47*	*03/01/22 18:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**239**		4.96		mg/Kg			03/02/22 14:47	1

Client Sample ID: SS18

Lab Sample ID: 890-2025-7
Matrix: Solid
Date Collected: 02/25/22 11:16
Date Received: 02/25/22 13:31
Sample Depth: 0.25

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/01/22 10:00	03/01/22 23:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/01/22 10:00	03/01/22 23:54	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/01/22 10:00	03/01/22 23:54	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/01/22 10:00	03/01/22 23:54	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/01/22 10:00	03/01/22 23:54	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/01/22 10:00	03/01/22 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*03/01/22 10:00*	*03/01/22 23:54*	*1*

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS18

Lab Sample ID: 890-2025-7
Matrix: Solid
Date Collected: 02/25/22 11:16
Date Received: 02/25/22 13:31
Sample Depth: 0.25

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*03/01/22 10:00*	*03/01/22 23:54*	*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			03/02/22 10:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 09:22	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	<49.9	U	49.9	mg/Kg		03/01/22 09:47	03/01/22 18:49	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		03/01/22 09:47	03/01/22 18:49	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		03/01/22 09:47	03/01/22 18:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*105*		*70 - 130*	*03/01/22 09:47*	*03/01/22 18:49*	*1*
o-Terphenyl	*99*		*70 - 130*	*03/01/22 09:47*	*03/01/22 18:49*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**195**		4.95	mg/Kg			03/02/22 14:53	1

Client Sample ID: SS19

Lab Sample ID: 890-2025-8
Matrix: Solid
Date Collected: 02/25/22 11:42
Date Received: 02/25/22 13:31
Sample Depth: 0.25

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		03/01/22 10:00	03/02/22 00:14	1
Toluene	<0.00200	U	0.00200	mg/Kg		03/01/22 10:00	03/02/22 00:14	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		03/01/22 10:00	03/02/22 00:14	1
m-Xylene & p-Xylene	<0.00401	U	0.00401	mg/Kg		03/01/22 10:00	03/02/22 00:14	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		03/01/22 10:00	03/02/22 00:14	1
Xylenes, Total	<0.00401	U	0.00401	mg/Kg		03/01/22 10:00	03/02/22 00:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*03/01/22 10:00*	*03/02/22 00:14*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*03/01/22 10:00*	*03/02/22 00:14*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401	mg/Kg			03/02/22 10:25	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg			03/02/22 09:22	1

Eurofins Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS19

Date Collected: 02/25/22 11:42
Date Received: 02/25/22 13:31
Sample Depth: 0.25

Lab Sample ID: 890-2025-8

Matrix: Solid

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/01/22 09:47	03/01/22 19:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/01/22 09:47	03/01/22 19:09	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/01/22 09:47	03/01/22 19:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*03/01/22 09:47*	*03/01/22 19:09*	*1*
o-Terphenyl	*89*		*70 - 130*	*03/01/22 09:47*	*03/01/22 19:09*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**273**		4.95		mg/Kg			03/02/22 14:58	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1991-A-1-E MS	Matrix Spike	101	101
890-1991-A-1-F MSD	Matrix Spike Duplicate	101	100
890-2025-1	SS01	112	85
890-2025-2	SS02	100	98
890-2025-3	SS03	111	101
890-2025-4	SS04	106	99
890-2025-5	SS05	108	102
890-2025-6	SS06	109	92
890-2025-7	SS18	104	98
890-2025-8	SS19	108	101
LCS 880-20516/1-A	Lab Control Sample	100	100
LCSD 880-20516/2-A	Lab Control Sample Dup	98	100
MB 880-20516/5-A	Method Blank	98	94

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2019-A-1-D MS	Matrix Spike	109	89
890-2019-A-1-E MSD	Matrix Spike Duplicate	116	100
890-2025-1	SS01	113	111
890-2025-2	SS02	104	98
890-2025-3	SS03	102	95
890-2025-4	SS04	108	106
890-2025-5	SS05	109	104
890-2025-6	SS06	101	90
890-2025-7	SS18	105	99
890-2025-8	SS19	99	89
LCS 880-20589/2-A	Lab Control Sample	111	101
LCSD 880-20589/3-A	Lab Control Sample Dup	114	105
MB 880-20589/1-A	Method Blank	112	117

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-20516/5-A
Matrix: Solid
Analysis Batch: 20576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20516

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/01/22 10:00	03/01/22 22:30	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/01/22 10:00	03/01/22 22:30	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/01/22 10:00	03/01/22 22:30	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/01/22 10:00	03/01/22 22:30	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/01/22 10:00	03/01/22 22:30	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/01/22 10:00	03/01/22 22:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*03/01/22 10:00*	*03/01/22 22:30*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*03/01/22 10:00*	*03/01/22 22:30*	*1*

Lab Sample ID: LCS 880-20516/1-A
Matrix: Solid
Analysis Batch: 20576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20516

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.09841		mg/Kg		98	70 - 130		
Toluene			0.100	0.09691		mg/Kg		97	70 - 130		
Ethylbenzene			0.100	0.09431		mg/Kg		94	70 - 130		
m-Xylene & p-Xylene			0.200	0.1938		mg/Kg		97	70 - 130		
o-Xylene			0.100	0.09516		mg/Kg		95	70 - 130		

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

Lab Sample ID: LCSD 880-20516/2-A
Matrix: Solid
Analysis Batch: 20576

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20516

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09840		mg/Kg		98	70 - 130	0	35
Toluene			0.100	0.09502		mg/Kg		95	70 - 130	2	35
Ethylbenzene			0.100	0.09401		mg/Kg		94	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.1928		mg/Kg		96	70 - 130	1	35
o-Xylene			0.100	0.09419		mg/Kg		94	70 - 130	1	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: 890-1991-A-1-E MS
Matrix: Solid
Analysis Batch: 20576

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20516

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00198	U	0.100	0.08390		mg/Kg		84	70 - 130		
Toluene	<0.00198	U	0.100	0.07892		mg/Kg		78	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

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

Lab Sample ID: 890-1991-A-1-E MS
Matrix: Solid
Analysis Batch: 20576

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20516

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Ethylbenzene	<0.00198	U	0.100	0.07572		mg/Kg		75	70 - 130		
m-Xylene & p-Xylene	<0.00396	U	0.200	0.1593		mg/Kg		79	70 - 130		
o-Xylene	<0.00198	U	0.100	0.08156		mg/Kg		81	70 - 130		

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

Lab Sample ID: 890-1991-A-1-F MSD
Matrix: Solid
Analysis Batch: 20576

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 20516

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U	0.0992	0.08432		mg/Kg		85	70 - 130	1	35
Toluene	<0.00198	U	0.0992	0.07784		mg/Kg		78	70 - 130	1	35
Ethylbenzene	<0.00198	U	0.0992	0.07441		mg/Kg		74	70 - 130	2	35
m-Xylene & p-Xylene	<0.00396	U	0.198	0.1563		mg/Kg		78	70 - 130	2	35
o-Xylene	<0.00198	U	0.0992	0.08027		mg/Kg		80	70 - 130	2	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

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

Lab Sample ID: MB 880-20589/1-A
Matrix: Solid
Analysis Batch: 20580

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20589

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/01/22 09:47	03/01/22 10:39	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/01/22 09:47	03/01/22 10:39	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/01/22 09:47	03/01/22 10:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*03/01/22 09:47*	*03/01/22 10:39*	*1*
o-Terphenyl	*117*		*70 - 130*	*03/01/22 09:47*	*03/01/22 10:39*	*1*

Lab Sample ID: LCS 880-20589/2-A
Matrix: Solid
Analysis Batch: 20580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20589

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	910.3		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	912.6		mg/Kg		91	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

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

Lab Sample ID: LCS 880-20589/2-A
Matrix: Solid
Analysis Batch: 20580

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20589

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	111		70 - 130
o-Terphenyl	101		70 - 130

Lab Sample ID: LCSD 880-20589/3-A
Matrix: Solid
Analysis Batch: 20580

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 20589

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	920.0		mg/Kg		92	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	947.2		mg/Kg		95	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	105		70 - 130

Lab Sample ID: 890-2019-A-1-D MS
Matrix: Solid
Analysis Batch: 20580

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 20589

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1009		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	960.7		mg/Kg		93	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 890-2019-A-1-E MSD
Matrix: Solid
Analysis Batch: 20580

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 20589

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1072		mg/Kg		106	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1078		mg/Kg		105	70 - 130	12	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	116		70 - 130
o-Terphenyl	100		70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-20497/1-A
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/02/22 12:08	1

Lab Sample ID: LCS 880-20497/2-A
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	272.4		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-20497/3-A
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	266.1		mg/Kg		106	90 - 110	2	20

Lab Sample ID: 890-2024-A-1-H MS
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	26.5		251	278.5		mg/Kg		100	90 - 110		

Lab Sample ID: 890-2024-A-1-I MSD
Matrix: Solid
Analysis Batch: 20689

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	26.5		251	258.8		mg/Kg		93	90 - 110	7	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

GC VOA

Prep Batch: 20516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2025-7	SS18	Total/NA	Solid	5035	
890-2025-8	SS19	Total/NA	Solid	5035	
MB 880-20516/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-20516/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-20516/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1991-A-1-E MS	Matrix Spike	Total/NA	Solid	5035	
890-1991-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 20523

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2025-1	SS01	Total/NA	Solid	5035	
890-2025-2	SS02	Total/NA	Solid	5035	
890-2025-3	SS03	Total/NA	Solid	5035	
890-2025-4	SS04	Total/NA	Solid	5035	
890-2025-5	SS05	Total/NA	Solid	5035	
890-2025-6	SS06	Total/NA	Solid	5035	

Analysis Batch: 20576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2025-7	SS18	Total/NA	Solid	8021B	20516
890-2025-8	SS19	Total/NA	Solid	8021B	20516
MB 880-20516/5-A	Method Blank	Total/NA	Solid	8021B	20516
LCS 880-20516/1-A	Lab Control Sample	Total/NA	Solid	8021B	20516
LCSD 880-20516/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	20516
890-1991-A-1-E MS	Matrix Spike	Total/NA	Solid	8021B	20516
890-1991-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	20516

Analysis Batch: 20656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2025-1	SS01	Total/NA	Solid	8021B	20523
890-2025-2	SS02	Total/NA	Solid	8021B	20523
890-2025-3	SS03	Total/NA	Solid	8021B	20523
890-2025-4	SS04	Total/NA	Solid	8021B	20523
890-2025-5	SS05	Total/NA	Solid	8021B	20523
890-2025-6	SS06	Total/NA	Solid	8021B	20523

Analysis Batch: 20678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2025-1	SS01	Total/NA	Solid	Total BTEX	
890-2025-2	SS02	Total/NA	Solid	Total BTEX	
890-2025-3	SS03	Total/NA	Solid	Total BTEX	
890-2025-4	SS04	Total/NA	Solid	Total BTEX	
890-2025-5	SS05	Total/NA	Solid	Total BTEX	
890-2025-6	SS06	Total/NA	Solid	Total BTEX	
890-2025-7	SS18	Total/NA	Solid	Total BTEX	
890-2025-8	SS19	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: WSP USA Inc. Job ID: 890-2025-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

GC Semi VOA

Analysis Batch: 20580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2025-1	SS01	Total/NA	Solid	8015B NM	20589
890-2025-2	SS02	Total/NA	Solid	8015B NM	20589
890-2025-3	SS03	Total/NA	Solid	8015B NM	20589
890-2025-4	SS04	Total/NA	Solid	8015B NM	20589
890-2025-5	SS05	Total/NA	Solid	8015B NM	20589
890-2025-6	SS06	Total/NA	Solid	8015B NM	20589
890-2025-7	SS18	Total/NA	Solid	8015B NM	20589
890-2025-8	SS19	Total/NA	Solid	8015B NM	20589
MB 880-20589/1-A	Method Blank	Total/NA	Solid	8015B NM	20589
LCS 880-20589/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	20589
LCSD 880-20589/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	20589
890-2019-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	20589
890-2019-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	20589

Prep Batch: 20589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2025-1	SS01	Total/NA	Solid	8015NM Prep	
890-2025-2	SS02	Total/NA	Solid	8015NM Prep	
890-2025-3	SS03	Total/NA	Solid	8015NM Prep	
890-2025-4	SS04	Total/NA	Solid	8015NM Prep	
890-2025-5	SS05	Total/NA	Solid	8015NM Prep	
890-2025-6	SS06	Total/NA	Solid	8015NM Prep	
890-2025-7	SS18	Total/NA	Solid	8015NM Prep	
890-2025-8	SS19	Total/NA	Solid	8015NM Prep	
MB 880-20589/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-20589/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-20589/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2019-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-2019-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 20665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2025-1	SS01	Total/NA	Solid	8015 NM	
890-2025-2	SS02	Total/NA	Solid	8015 NM	
890-2025-3	SS03	Total/NA	Solid	8015 NM	
890-2025-4	SS04	Total/NA	Solid	8015 NM	
890-2025-5	SS05	Total/NA	Solid	8015 NM	
890-2025-6	SS06	Total/NA	Solid	8015 NM	
890-2025-7	SS18	Total/NA	Solid	8015 NM	
890-2025-8	SS19	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 20497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2025-1	SS01	Soluble	Solid	DI Leach	
890-2025-2	SS02	Soluble	Solid	DI Leach	
890-2025-3	SS03	Soluble	Solid	DI Leach	
890-2025-4	SS04	Soluble	Solid	DI Leach	
890-2025-5	SS05	Soluble	Solid	DI Leach	
890-2025-6	SS06	Soluble	Solid	DI Leach	

QC Association Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

HPLC/IC (Continued)

Leach Batch: 20497 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2025-7	SS18	Soluble	Solid	DI Leach	
890-2025-8	SS19	Soluble	Solid	DI Leach	
MB 880-20497/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-20497/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-20497/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2024-A-1-H MS	Matrix Spike	Soluble	Solid	DI Leach	
890-2024-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 20689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2025-1	SS01	Soluble	Solid	300.0	20497
890-2025-2	SS02	Soluble	Solid	300.0	20497
890-2025-3	SS03	Soluble	Solid	300.0	20497
890-2025-4	SS04	Soluble	Solid	300.0	20497
890-2025-5	SS05	Soluble	Solid	300.0	20497
890-2025-6	SS06	Soluble	Solid	300.0	20497
890-2025-7	SS18	Soluble	Solid	300.0	20497
890-2025-8	SS19	Soluble	Solid	300.0	20497
MB 880-20497/1-A	Method Blank	Soluble	Solid	300.0	20497
LCS 880-20497/2-A	Lab Control Sample	Soluble	Solid	300.0	20497
LCSD 880-20497/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	20497
890-2024-A-1-H MS	Matrix Spike	Soluble	Solid	300.0	20497
890-2024-A-1-I MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	20497

Lab Chronicle

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS01
Date Collected: 02/25/22 10:50
Date Received: 02/25/22 13:31

Lab Sample ID: 890-2025-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	20523	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20656	03/02/22 16:42	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20678	03/02/22 10:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20665	03/02/22 09:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20589	03/01/22 09:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 16:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	20497	02/28/22 12:47	SC	XEN MID
Soluble	Analysis	300.0		1			20689	03/02/22 14:05	CH	XEN MID

Client Sample ID: SS02
Date Collected: 02/25/22 10:52
Date Received: 02/25/22 13:31

Lab Sample ID: 890-2025-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	20523	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20656	03/02/22 17:02	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20678	03/02/22 10:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20665	03/02/22 09:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20589	03/01/22 09:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 17:09	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	20497	02/28/22 12:47	SC	XEN MID
Soluble	Analysis	300.0		1			20689	03/02/22 14:11	CH	XEN MID

Client Sample ID: SS03
Date Collected: 02/25/22 10:54
Date Received: 02/25/22 13:31

Lab Sample ID: 890-2025-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	20523	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20656	03/02/22 17:23	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20678	03/02/22 10:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20665	03/02/22 09:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20589	03/01/22 09:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 17:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	20497	02/28/22 12:47	SC	XEN MID
Soluble	Analysis	300.0		1			20689	03/02/22 14:29	CH	XEN MID

Client Sample ID: SS04
Date Collected: 02/25/22 10:56
Date Received: 02/25/22 13:31

Lab Sample ID: 890-2025-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	20523	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20656	03/02/22 17:43	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20678	03/02/22 10:25	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS04

Date Collected: 02/25/22 10:56
Date Received: 02/25/22 13:31

Lab Sample ID: 890-2025-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			20665	03/02/22 09:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	20589	03/01/22 09:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 17:49	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	20497	02/28/22 12:47	SC	XEN MID
Soluble	Analysis	300.0		1			20689	03/02/22 14:35	CH	XEN MID

Client Sample ID: SS05

Date Collected: 02/25/22 10:58
Date Received: 02/25/22 13:31

Lab Sample ID: 890-2025-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	20523	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20656	03/02/22 18:04	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20678	03/02/22 10:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20665	03/02/22 09:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	20589	03/01/22 09:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 18:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	20497	02/28/22 12:47	SC	XEN MID
Soluble	Analysis	300.0		1			20689	03/02/22 14:41	CH	XEN MID

Client Sample ID: SS06

Date Collected: 02/25/22 11:00
Date Received: 02/25/22 13:31

Lab Sample ID: 890-2025-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	20523	03/02/22 08:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20656	03/02/22 18:24	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20678	03/02/22 10:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20665	03/02/22 09:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	20589	03/01/22 09:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 18:29	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	20497	02/28/22 12:47	SC	XEN MID
Soluble	Analysis	300.0		1			20689	03/02/22 14:47	CH	XEN MID

Client Sample ID: SS18

Date Collected: 02/25/22 11:16
Date Received: 02/25/22 13:31

Lab Sample ID: 890-2025-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	20516	03/01/22 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20576	03/01/22 23:54	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20678	03/02/22 10:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20665	03/02/22 09:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	20589	03/01/22 09:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 18:49	AJ	XEN MID

Lab Chronicle

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Client Sample ID: SS18

Date Collected: 02/25/22 11:16
Date Received: 02/25/22 13:31

Lab Sample ID: 890-2025-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	20497	02/28/22 12:47	SC	XEN MID
Soluble	Analysis	300.0		1			20689	03/02/22 14:53	CH	XEN MID

Client Sample ID: SS19

Date Collected: 02/25/22 11:42
Date Received: 02/25/22 13:31

Lab Sample ID: 890-2025-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	20516	03/01/22 10:00	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	20576	03/02/22 00:14	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			20678	03/02/22 10:25	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			20665	03/02/22 09:22	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	20589	03/01/22 09:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1			20580	03/01/22 19:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	20497	02/28/22 12:47	SC	XEN MID
Soluble	Analysis	300.0		1			20689	03/02/22 14:58	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: 890-2025-1
Project/Site: EVGSAU Satellite 3 SDG: 31403720.000 Task 14.02

Laboratory: Eurofins Midland

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

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

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: WSP USA Inc.
Project/Site: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

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: EVGSAU Satellite 3

Job ID: 890-2025-1
SDG: 31403720.000 Task 14.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2025-1	SS01	Solid	02/25/22 10:50	02/25/22 13:31	0.25
890-2025-2	SS02	Solid	02/25/22 10:52	02/25/22 13:31	0.25
890-2025-3	SS03	Solid	02/25/22 10:54	02/25/22 13:31	0.25
890-2025-4	SS04	Solid	02/25/22 10:56	02/25/22 13:31	0.25
890-2025-5	SS05	Solid	02/25/22 10:58	02/25/22 13:31	0.25
890-2025-6	SS06	Solid	02/25/22 11:00	02/25/22 13:31	0.25
890-2025-7	SS18	Solid	02/25/22 11:16	02/25/22 13:31	0.25
890-2025-8	SS19	Solid	02/25/22 11:42	02/25/22 13:31	0.25

Chain of Custody

XENCO LABORATORIES

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

Work Order No: _____

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Project Manager:	Kalei Jennings	Bill to: (if different)	Kalei Jennings
Company Name:	WSP USA	Company Name:	WSP USA
Address:	3300 North A Street Building 1, unit 222	Address:	3300 North A Street Building 1, unit 222
City, State ZIP:	Midland, Texas 79705	City, State ZIP:	Midland, Texas 79705
Phone:	817-683-2503	Email:	Kalei.jennings@wsp.com

Work Order Comments

Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ T/UST ☐ RRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	EVGSAU Satellite 3	Turn Around	
Project Number:	31403720.000 Task 14.02	Routine ☐	
P.O. Number:		Rush: 3 Day	
Sampler's Name:	Payton Benner	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Temperature (°C):	1.4 / 1.2	Thermometer ID		
Received Intact:	(Yes) No	T-NM-007		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

ANALYSIS REQUEST

890-2025 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
SS01	S	02/25/22	10:50	0.25	1	X	X	X	DISCRETE
SS02	S	02/25/22	10:52	0.25	1	X	X	X	DISCRETE
SS03	S	02/25/22	10:54	0.25	1	X	X	X	DISCRETE
SS04	S	02/25/22	10:56	0.25	1	X	X	X	DISCRETE
SS05	S	02/25/22	10:58	0.25	1	X	X	X	DISCRETE
SS06	S	02/25/22	11:00	0.25	1	X	X	X	DISCRETE
SS18	S	02/25/22	11:16	0.25	1	X	X	X	DISCRETE
SS19	S	02/25/22	11:42	0.25	1	X	X	X	DISCRETE

Work Order Notes

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

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed **TCLP / SPLP 6010**: 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U **1631 / 245.1 / 7470 / 7471** : Hg

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	pbenner	M. Cole	2/25/22 1:31	2		
3				4		
5				6		

Revised Date 051418 Rev. 2018 1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-2025-1
SDG Number: 31403720.000 Task 14.02

Login Number: 2025
List Number: 1
Creator: Olivas, Nathaniel

List Source: Eurofins Carlsbad

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: 890-2025-1
SDG Number: 31403720.000 Task 14.02

Login Number: 2025
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Midland
List Creation: 02/28/22 08:58 AM

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

ATTACHMENT 4: FINAL C-141

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

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	NAPP2125634309
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	Conoco Phillips	OGRID	
Contact Name	Kelsy Waggaman	Contact Telephone	(432) 688 - 9057
Contact email	Kelsy.Waggaman@ConocoPhillips.com	Incident # *(assigned by OCD)*	NAPP2125634309
Contact mailing address	600 West Illinois Avenue, Midland, Texas 79701		

Location of Release Source

Latitude 32.7886 Longitude -103.479
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	EVGSAU Satellite 3	Site Type	Tank Battery
Date Release Discovered	August 12, 2021	API# *(if applicable)*	

Unit Letter	Section	Township	Range	County
J	32	17S	35E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (*Name:* _____)

Nature and Volume of Release

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

☒ Crude Oil	Volume Released (bbls) 0.57	Volume Recovered (bbls) 0
☒ Produced Water	Volume Released (bbls) 5.1	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a liquid release from flare stack.
The release was on the pad. A vacuum truck was dispatched to remove all freestanding fluids.
Concho will evaluate the site to determine if we may commence remediation immediately or delineate any possible impact from the release and we will present a remediation work plan to the NMOCD for approval prior to any significant remediation activities.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2125634309
District RP	
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Application ID	

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

Initial Response

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

- ■ The source of the release has been stopped.
- ■ The impacted area has been secured to protect human health and the environment.
- ■ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ■ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: Brittany N. Esparza Title: Environmental Technician

Signature: Brittany Esparza Date: 8/12/2021

email: Brittany.Esparza@ConocoPhillips.com Telephone: (432) 221-0398

OCD Only

Received by: Ramona Marcus Date: 9/13/2021

L48 Spill Volume Estimate Form

NAPP2125634309

Facility Name & Number:	EVGSAU Satellite 3
Asset Area:	SENM (BUCKEYE)
Release Discovery Date & Time:	8/10/2021 10:00PM MST
Release Type:	Oil Mixture
Provide any known details about the event:	Liquid release from flare stack

Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?	On Pad - 10.5%; Off Pad - 15.12% soil spilled-fluid saturation factor
Has it rained at least a half inch in the last 24 hours?	Yes, On Pad - 8%; Off Pad - 13.57% soil spilled-fluid saturation factor; if No, use factors above.

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	450.0	90.0	0.06	15.12%	37.547	5.677	10.00%	0.568	5.109
Rectangle B					0.000	0.000		0.000	0.000
Rectangle C					0.000	0.000		0.000	0.000
Rectangle D					0.000	0.000		0.000	0.000
Rectangle E					0.000	0.000		0.000	0.000
Rectangle F					0.000	0.000		0.000	0.000
Rectangle G					0.000	0.000		0.000	0.000
Rectangle H					0.000	0.000		0.000	0.000
Rectangle I					0.000	0.000		0.000	0.000
Rectangle J					0.000	0.000		0.000	0.000
					Total Volume Release:	5.677		0.568	5.109

Incident ID	NAPP2125634309
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141 State of New Mexico
Page 4 Oil Conservation Division

Incident ID	NAPP2125634309
District RP	
Facility ID	
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I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Rahul Kaushik Title: Field Environmental Coordinator

Signature: Rahul Kaushik Date: 03/14/2022

email: Rahul.Kaushik@conocophillips.com Telephone: 432-238-3781

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2125634309
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 report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

☒ Laboratory analyses of final sampling (Note: appropriate OCD District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health of the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Rahul Kaushik Title: Field Environmental Coordinator

Signature: Rahul Kaushik Date: 03/14/2022

Email: Rahul.Kaushik@conocophillips.com Telephone: 432-238-3781

ODC Only

Received by: Chad Hensley Date: 04/05/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Chad Hensley Date: 04/05/2022

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 89908

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 89908
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	Closure approved.	4/5/2022