Page 6

Oil Conservation Division

Incident ID	nAPP2123242125
District RP	
Facility ID	
Application ID	

Advanced

Closure

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

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office 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 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. 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: Kelsy Waggaman	Title: Environmental Coordinator
Signature:	Date: 11/19/2021
email: kelsy.waggaman@conocophillips.com	Telephone: (505) 577-9071
OCD Only	
Received by: Ramona Marcus	Date: <u>11/19/2021</u>
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date: <u>12/21/2021</u>

ted Name:	Chad Hensley	Title:	Environmental Specialist

Prin

WSP USA

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

November 19, 2021

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

RE: Closure Request EVGSAU 2801-002 Incident Number NAPP2123242125 Lea County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP), on behalf of ConocoPhillips Company (Conoco), presents the following Closure Request detailing site assessment, excavation, and soil sampling activities at the EVGSAU 2801-002 (Site) located in Unit M, Section 28, Township 17 South, Range 35 East, in Lea County, New Mexico (Figure 1). The purpose of the site assessment, excavation, and soil sampling activities was to address impacts to soil following a release of crude oil and produced water at the Site. Based on excavation activities and confirmation soil sample laboratory analytical results, Conoco is submitting this Closure Request and requesting no further action (NFA) for Incident Number NAPP2123242125.

RELEASE BACKGROUND

On July 23, 2021, a ¼-inch tubing pressure gauge broke, resulting in the release of approximately 7 barrels (bbls) of produced water and 1 bbl of crude oil onto the caliche well pad; no fluids were recovered. Conoco reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141). The release was assigned Incident Number NAPP2123242125.

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 51 feet to 100 feet below ground surface (bgs) based on the nearest groundwater well data. The nearest permitted groundwater well with published depth to groundwater data is United States Geological Survey (USGS) well 324813103275901, located approximately 0.43 miles northwest of the Site. The groundwater well records indicate a depth to water of 72 feet bgs and a total depth of 215 feet bgs. Ground surface elevation at the groundwater well location is 3,961 feet above mean sea level (amsl), which is approximately 5 feet higher in elevation than the Site. The next closest

vsp

District I Page 2

permitted groundwater well with depth to groundwater data is NMOSE well L-05362, located approximately 0.57 miles southeast of the Site. The groundwater well has a reported depth to groundwater of 80 feet bgs and a total depth of 140 feet bgs. All wells used for depth to groundwater determination are depicted on Figure 1 and the associated referenced well records are included in Attachment 1.

The closest continuously flowing water or significant watercourse to the Site is an ephemeral pond, located approximately 0.23 miles south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

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

SITE ASSESSMENT ACTIVITIES AND ANALYTICAL RESULTS

On September 29, 2021, WSP personnel visited the Site to evaluate the release extent based on information provided on the Form C-141 and visual observations. Conoco Operations completed initial scaping of the stained soil within the release footprint prior to WSP personnel visiting the Site. WSP personnel collected five preliminary assessment soil samples (SS01 through SS05) within the release extent from a depth of approximately 0.5 feet bgs to assess the lateral extent of impacted soil. Soil from the preliminary soil samples was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach[®] chloride QuanTab[®] test strips, respectively. The release extent and preliminary soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2.

Preliminary soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice. The soil

wsp

District I Page 3

samples were transported at or below 4 degrees Celsius (°C) under strict chain-of-custody (COC) procedures to Eurofins Laboratories (Eurofins) in Carlsbad, New Mexico, for analysis of BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.

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

EXCAVATION ACTIVITIES AND ANALYTICAL RESULTS

On October 13, 2021, WSP personnel returned to the Site to oversee excavation activities as indicated by surficial staining in the release footprint and laboratory analytical results for the preliminary soil samples. Excavation activities were performed using a track hoe and transport vehicle. To direct excavation activities, WSP screened soil for volatile aromatic hydrocarbons and chloride utilizing a PID and Hach[®] chloride QuanTab[®] test strips, respectively. The excavation was completed to a depth of 1-foot bgs.

Following removal of impacted soil, WSP collected 5-point composite soil samples every 200 square feet from the sidewalls and floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite floor samples FS01 through FS09 were collected from the floor of the excavation from a depth of 1-foot bgs. Composite sidewall samples SW01 and SW02 were collected from the sidewalls of the excavation from depths ranging from the ground surface to 1-foot bgs. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3. Photographic documentation is included in Attachment 2.

The excavation area measured approximately 1,786 square feet. A total of approximately 66 cubic yards of impacted soil were removed during the excavation activities. The impacted soil was transported and properly disposed of at the Northern Delaware Basin Landfill located in Jal, New Mexico. After completion of confirmation sampling, the excavation area was backfilled.

Laboratory analytical results for excavation sidewall samples SW01 and SW02 and excavation floor samples FS01 through FS09, indicated benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and laboratory analytical reports are included as Attachment 3.

wsp

District I Page 4

CLOSURE REQUEST

Site assessment and excavation activities were conducted to address the July 23, 2021 release of crude oil and produced water at the Site. Laboratory analytical results for the excavation soil samples, collected from the final excavation extent, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Based on the soil sample analytical results, no further remediation was required. Conoco backfilled the excavation with material purchased locally and recontoured the Site to match pre-existing site conditions.

Depth to groundwater at the Site is estimated to be between 51-100 feet bgs and no other sensitive receptors were identified near the release extent. WSP and Conoco believe these remedial actions are protective of human health, the environment, and groundwater. As such, Conoco respectfully requests no further action for Incident Number NAPP2123242125. The final Form C-141 is included in Attachment 4.

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

Sincerely,

WSP USA Inc.

Kaei Jennings

Kalei Jennings Associate Consultant

Ushley L. ager

Ashley L. Ager, P.G. Managing Director, Geologist

cc: Kelsy Waggaman, ConocoPhillips Company New Mexico State Land Office

Attachments:

- Figure 1 Site Location Map
- Figure 2 Preliminary Soil Sample Locations
- Figure 3 Excavation Soil Sample Locations
- Table 1Soil Analytical Results
- Attachment 1 Referenced Well Records

Attachment 2 Photographic Log



District I Page 5

Attachment 3 Laboratory Analytical Reports Attachment 4 Final C-141

FIGURES







TABLES

Та	ble	1
1 4	DIC	

Soil Analytical Results EVGSAU 2801-002 Incident Number NAPP2123242125 ConocoPhillips Company Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Cl	losure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	10,000
Surface Samples										
SS01	09/29/2021	0.5	< 0.00202	< 0.00200	<49.8	<49.8	<49.8	<49.8	<50.0	10,300
SS02	09/29/2021	0.5	< 0.00200	< 0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	2,490
SS03	09/29/2021	0.5	< 0.00201	< 0.00200	336	<50.0	69.4	336	405	6,980
SS04	09/29/2021	0.5	< 0.00199	< 0.00200	55.3	<49.8	<49.8	55.3	55.3	10,200
SS05	09/29/2021	0.5	< 0.00201	< 0.00200	174	<50.0	<50.0	174	174	711
Excavation Floor Sa	amples									
FS01	10/13/2021	1	< 0.00201	< 0.00400	<50.0	<50.0	<50.0	<50.0	<50.0	793
FS02	10/13/2021	1	< 0.00200	< 0.00400	85.1	<50.0	<50.0	85.1	85.1	938
FS03	10/13/2021	1	< 0.00201	< 0.00402	49.9	<49.9	<49.9	49.9	49.9	1,210
FS04	10/13/2021	1	< 0.00200	< 0.00401	<50.0	<50.0	<50.0	<50.0	<50.0	2,210
FS05	10/13/2021	1	< 0.00200	< 0.00401	202	<49.9	<49.9	202	202	877
FS06	10/13/2021	1	< 0.00199	< 0.00398	114	<49.9	<49.9	114	114	740
FS07	10/13/2021	1	< 0.00202	< 0.00403	64.7	<50.0	<50.0	64.7	64.7	1,650
FS08	10/13/2021	1	< 0.00199	< 0.00398	533	<250	<250	533	533	3,100
FS09	10/13/2021	1	< 0.00200	< 0.00399	60.0	<50.0	<50.0	60.0	60.0	1,170
Excavation Sidewal	l Samples									
SW01	10/13/2021	0-1	< 0.00200	< 0.00399	78.1	<50.0	<50.0	78.1	78.1	2,150
SW02	10/13/2021	0-1	< 0.00201	< 0.00402	563	<49.9	108	563	671	2,220

Notes

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - motor oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

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

NE - Not Established

BOLD - indicates results exceed the higher of the background sample result or applicable regulatory standard Text impacted soil was excavated

GO



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Site Information Geographic Area: United States

~

Click to hideNews Bulletins

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

USGS 324813103275901 17S.35E.28.131443

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

Well Site

DESCRIPTION:

Latitude 32°48'28", Longitude 103°28'09" NAD27 Lea County, New Mexico , Hydrologic Unit 12080003 Well depth: 215 feet Land surface altitude: 3,961.00 feet above NGVD29. Well completed in "High Plains aquifer" (N100HGHPLN) national aquifer. Well completed in "Ogallala Formation" (1210GLL) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1981-01-21	1986-04-08	2
Revisions	Unavailable (site:0) (timese	eries:0)

OPERATION:

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

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

Accessibility FOIA Privacy Policies and Notices

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

Title: NWIS Site Information for USA: Site Inventory URL: https://waterdata.usgs.gov/nwis/inventory? agency_code=USGS&site_no=324813103275901

Page Contact Information: <u>New Mexico Water Data Support Team</u> Page Last Modified: 2021-10-20 11:45:32 EDT 0.27 0.25 caww01



Page 15 of 57

USGS Home Contact USGS Search USGS



National Water Information System: Web Interface

USGS Water Resources (Cooperator Access)

 Data Category:
 Geographic Area:

 Groundwater
 V

Click to hideNews Bulletins

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

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 324813103275901

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 324813103275901 17S.35E.28.131443

Lea County, New Mexico Latitude 32°48'28", Longitude 103°28'09" NAD27 Land-surface elevation 3,961.00 feet above NGVD29 The depth of the well is 215 feet below land surface. This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer. This well is completed in the Ogallala Formation (1210GLL) local aquifer.

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

Date	Time	? Water- level date- time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source measu
1981-01-21		D	62610		3891.20	NGVD29	1	Z		
1981-01-21		D	62611		3892.68	NAVD88	1	Z		
1981-01-21		D	72019	69.80			1	Z		
1986-04-08		D	62610		3889.31	NGVD29	1	Z		
1986-04-08		D	62611		3890.79	NAVD88	1	Z		
1986-04-08		D	72019	71.69			1	Z		

	Explanation					
Section	Code	Description				
Parameter code 62610 G		Date is accurate to the Day				
Parameter code	62610	Groundwater level above NGVD 1929, feet				
Parameter code	62611	Groundwater level above NAVD 1988, feet				
Parameter code	72019	Depth to water level, feet below land surface				
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988				
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929				

Section	Code	Description
Status	1	Static
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	А	Approved for publication Processing and review completed.

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

Accessibility FOIA Privacy Policies and Notices
U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2021-11-01 15:57:40 EDT 0.35 0.32 nadww02 USA.gov

				ico Office o er Righ i	,	U						
1	WR File Number:	L 05362		Cross Re	ference: -							
2	Primary Purpose:	PRO 72	RO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE									
get image list	Primary Status:	PMT PH	ERMIT									
	Total Acres:			Subfile: -		Header: -						
	Total Diversion:	0		Cause/Case: -								
	Owner:	HUMBLE	OIL & R	EFINING COMPANY								
	Contact:	E S DAVIS	5									
ocuments	x on File						-					
			Status		From/							
20	Trn # Doc File. 502378 72121 1964-		1 2 MT LOG	Transaction Desc. L 05362 (T) EXPIRED	То Т	Acres Diversion Cons	umptive -					
urrent Po	oints of Diversion		Q	(NAD83	UTM in meters)							
POD N <u>L 0536</u>		0	· ·	Q4Sec Tws Rng 4 28 17S 35E 644	X Y 444 3630117*	Other Location Desc						
	An () after north	ing value indic	ates UTM l	ocation was derived from P	LSS - see Help							
	ished by the NMOSE/ISC											

10/20/21 9:33 AM

WATER RIGHT SUMMARY



New Mexico Office of the State Engineer **Point of Diversion Summary**

				rs are 1=N ers are sm				(NAD83 U	TM in meters)		
Well Tag	POD	Number			16 Q4 Sec			X	Ŷ		
	L 05	5362	3	4 4	28	17S	35E	644444	3630117*		
x Driller Lic	ense:	46	Driller	Compa	ny:	AB	BOTT B	BROTHERS	S COMPANY		
Driller Nai	me:	MURRELL ABE	BOTT								
Drill Start	Date:	04/02/1964	Drill F	inish Da	te:	04	4/02/196	4 P l	ug Date:	01/15/1965	
Log File Date: 04/16/1964 Pump Type:			PCW F	PCW Rcv Date: Pipe Discharge Size:					Source: Estimated Yield:		
			Pipe Di								
Casing Size	e:	7.00	Depth '		140 feet			Depth Water:			
X	Wate	er Bearing Stratif	ications:	Te	op E	Bottom	Descr	iption			
x Casing Perfor				80			140 Sandston		one/Gravel/Conglomerate		
			forations:	То	op E	Bottom					
				8	30	140					

*UTM location was derived from PLSS - see Help

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

10/20/21 9:34 AM

POINT OF DIVERSION SUMMARY



		PHOTOGRAPHIC LOG	
ConocoPhillips	Company	EVGSAU 2801-002 Lea County, New Mexico	NAPP2123242125
Photo No.	Date		
1	July 23, 2021	SW W NW	N
	se extent facing hwest.	240 270 300 330 300 330 300 330 300 30 300 10 300 300 10 300 300 300 300 300 300 300 3	• I • Î • I • I • Î • N ±22ft ▲ 3956ft 23 Jul 2021, 11:47:

Photo No.	Date
2	September 29, 2021
Southeastern	n view of release
	l site assessment
act	ivities.

.



PHOTOGRAPHIC LOG					
ConocoPhillips Company	EVGSAU 2801-002	NAPP2123242125			
	Lea County, New Mexico				

Photo No.	Date	
3	October 13, 2021	
View of exca facin	vation activities g south.	



🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1331-1

Laboratory Sample Delivery Group: 31402909.19 Client Project/Site: EVGSAU 2801-002

For:

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

Attn: Kalei Jennings

RAMER

Authorized for release by: 10/6/2021 3:57:37 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.

Review your project results through Total Access Have a Question? Ask The Expert Visit us at:

LINKS

www.eurofinsus.com/Env Released to Imaging: 12/21/2021 10:29:19 AM

.

Page 25 of 57

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	14
Lab Chronicle	16
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	25

	Definitions/Glossary		
Client: WSP L	-	Job ID: 890-1331-1	
	EVGSAU 2801-002	SDG: 31402909.19	
Qualifiers			
GC VOA Qualifier	Qualifier Description		
F1	Qualifier Description MS and/or MSD recovery exceeds control limits.		
F1 F2	MS/MSD RPD exceeds control limits		
S1-	Surrogate recovery exceeds control limits, low biased.		
U	Indicates the analyte was analyzed for but not detected.		
GC Semi VO			
Qualifier	Qualifier Description		
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)		

- Reporting Limit or Requested Limit (Radiochemistry) RL
- RPD Relative Percent Difference, a measure of the relative difference between two points
- Toxicity Equivalent Factor (Dioxin) TEF
- TEQ Toxicity Equivalent Quotient (Dioxin)
- TNTC Too Numerous To Count

Job ID: 890-1331-1 SDG: 31402909.19

Job ID: 890-1331-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1331-1

Receipt

The samples were received on 9/29/2021 2:15 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 2.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-8654 and analytical batch 880-8743 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-8654 and analytical batch 880-8743 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.

GC Semi VOA

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 880-8734 and analytical batch 880-8968 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.

4

Method: 8021B - Volatile Organic Compounds (GC)

Result Qualifier

RL

Unit

D

Prepared

Page 28 of 57

Job ID: 890-1331-1 SDG: 31402909.19

Client Sample ID: SS01

Project/Site: EVGSAU 2801-002

Date Collected: 09/29/21 10:11 Date Received: 09/29/21 14:15

Sample Depth: 0.5

Analyte

Client: WSP USA Inc.

Lab Sample ID: 890-1331-1

Analyzed

Matrix: Solid

Dil Fac

Benzene	< 0.00202	U	0.00202	mg/Kg		09/30/21 11:45	10/03/21 08:31	1
Toluene	<0.00202	U	0.00202	mg/Kg		09/30/21 11:45	10/03/21 08:31	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		09/30/21 11:45	10/03/21 08:31	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		09/30/21 11:45	10/03/21 08:31	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		09/30/21 11:45	10/03/21 08:31	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		09/30/21 11:45	10/03/21 08:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130			09/30/21 11:45	10/03/21 08:31	1
1,4-Difluorobenzene (Surr)	96		70 - 130			09/30/21 11:45	10/03/21 08:31	1
Method: Total BTEX - Total BTEX	(Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			10/04/21 10:14	1
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			10/04/21 10:33	1
Method: 8015B NM - Diesel Rang Analyte		RO) (GC) Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte Gasoline Range Organics		Qualifier	RL 49.8	Unit mg/Kg	<u>D</u>	Prepared 09/30/21 15:11	Analyzed 10/02/21 16:56	Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier U			<u>D</u>	·		
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <49.8	Qualifier U U	49.8	mg/Kg	<u>D</u>	09/30/21 15:11	10/02/21 16:56	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	Result <49.8 <49.8	Qualifier U U U	49.8	mg/Kg	<u> </u>	09/30/21 15:11 09/30/21 15:11	10/02/21 16:56 10/02/21 16:56	1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	Result <49.8	Qualifier U U U	49.8 49.8 49.8	mg/Kg	<u>D</u>	09/30/21 15:11 09/30/21 15:11 09/30/21 15:11	10/02/21 16:56 10/02/21 16:56 10/02/21 16:56	1 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate	Result <49.8	Qualifier U U U	49.8 49.8 49.8 Limits	mg/Kg	<u>D</u>	09/30/21 15:11 09/30/21 15:11 09/30/21 15:11 Prepared	10/02/21 16:56 10/02/21 16:56 10/02/21 16:56 Analyzed	1 1 1 Dil Fac
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane	Result <49.8	Qualifier U U Qualifier	49.8 49.8 49.8 <u>Limits</u> 70 - 130	mg/Kg	<u>D</u>	09/30/21 15:11 09/30/21 15:11 09/30/21 15:11 Prepared 09/30/21 15:11	10/02/21 16:56 10/02/21 16:56 10/02/21 16:56 Analyzed 10/02/21 16:56	1 1 1 <u>Dil Fac</u> 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl	Result <49.8	Qualifier U U Qualifier	49.8 49.8 49.8 <u>Limits</u> 70 - 130	mg/Kg	<u>D</u>	09/30/21 15:11 09/30/21 15:11 09/30/21 15:11 Prepared 09/30/21 15:11	10/02/21 16:56 10/02/21 16:56 10/02/21 16:56 Analyzed 10/02/21 16:56	1 1 1 <u>Dil Fac</u> 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro	Result <49.8	Qualifier U Qualifier Soluble Qualifier	49.8 49.8 49.8 <u>Limits</u> 70 - 130 70 - 130	mg/Kg mg/Kg mg/Kg		09/30/21 15:11 09/30/21 15:11 09/30/21 15:11 Prepared 09/30/21 15:11 09/30/21 15:11	10/02/21 16:56 10/02/21 16:56 10/02/21 16:56 Analyzed 10/02/21 16:56 10/02/21 16:56	1 1 1 Dil Fac 1 1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro Analyte	Result <49.8	Qualifier U Qualifier Soluble Qualifier	49.8 49.8 49.8 <u>Limits</u> 70 - 130 70 - 130 RL	mg/Kg mg/Kg mg/Kg Unit		09/30/21 15:11 09/30/21 15:11 09/30/21 15:11 Prepared 09/30/21 15:11 09/30/21 15:11 Prepared	10/02/21 16:56 10/02/21 16:56 10/02/21 16:56 Analyzed 10/02/21 16:56 10/02/21 16:56 Analyzed	1 1 1 Dil Fac 1 1 Dil Fac 20
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) OII Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro Analyte Chloride	Result <49.8	Qualifier U Qualifier Soluble Qualifier	49.8 49.8 49.8 <u>Limits</u> 70 - 130 70 - 130 RL	mg/Kg mg/Kg mg/Kg Unit		09/30/21 15:11 09/30/21 15:11 09/30/21 15:11 Prepared 09/30/21 15:11 09/30/21 15:11 Prepared	10/02/21 16:56 10/02/21 16:56 10/02/21 16:56 Analyzed 10/02/21 16:56 10/02/21 16:56 Analyzed 10/06/21 06:27 nple ID: 890-	1 1 <i>Dil Fac</i> 1 1 Dil Fac 20
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Surrogate 1-Chlorooctane o-Terphenyl Method: 300.0 - Anions, Ion Chro Analyte Chloride Client Sample ID: SS02	Result <49.8	Qualifier U Qualifier Soluble Qualifier	49.8 49.8 49.8 <u>Limits</u> 70 - 130 70 - 130 RL	mg/Kg mg/Kg mg/Kg Unit		09/30/21 15:11 09/30/21 15:11 09/30/21 15:11 Prepared 09/30/21 15:11 09/30/21 15:11 Prepared	10/02/21 16:56 10/02/21 16:56 10/02/21 16:56 Analyzed 10/02/21 16:56 10/02/21 16:56 Analyzed 10/06/21 06:27 nple ID: 890-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		09/30/21 11:45	10/03/21 08:59	1
Toluene	<0.00200	U	0.00200	mg/Kg		09/30/21 11:45	10/03/21 08:59	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		09/30/21 11:45	10/03/21 08:59	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		09/30/21 11:45	10/03/21 08:59	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		09/30/21 11:45	10/03/21 08:59	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		09/30/21 11:45	10/03/21 08:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		70 - 130			09/30/21 11:45	10/03/21 08:59	1

Eurofins Xenco, Carlsbad

Client Sample Results

Job ID: 890-1331-1 SDG: 31402909.19

Lab Sample ID: 890-1331-2

Matrix: Solid

Date Collected: 09/29/21 10:13 Date Received: 09/29/21 14:15

Client Sample ID: SS02

Project/Site: EVGSAU 2801-002

Sample Depth: 0.5

Client: WSP USA Inc.

Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1,4-Difluorobenzene (Surr)	100		70 - 130			09/30/21 11:45	10/03/21 08:59	
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00200	U	0.00200	mg/Kg			10/04/21 10:14	
Method: 8015 NM - Diesel Range	Organics (DR	0) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0	mg/Kg			10/04/21 10:33	
Mothod: 2015B NM - Diocol Bong	o Organice (D							
Method: 8015B NM - Diesel Rang Analyte	- · ·	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Gasoline Range Organics	<50.0	U	50.0	mg/Kg		09/30/21 15:11	10/02/21 17:17	
GRO)-C6-C10								
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		09/30/21 15:11	10/02/21 17:17	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/30/21 15:11	10/02/21 17:17	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil F
1-Chlorooctane	113		70 - 130			09/30/21 15:11	10/02/21 17:17	
p-Terphenyl	125		70 - 130			09/30/21 15:11	10/02/21 17:17	
Method: 300.0 - Anions, Ion Chro	matography -	Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil F
Chloride	2490		25.3	mg/Kg			10/06/21 06:48	
light Sample ID: SS02						Lab San		1224
lient Sample ID: SS03 ate Collected: 09/29/21 10:08						Lap San	nple ID: 890-	1331 x: Sol

Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201	mg/Kg		09/30/21 11:45	10/03/21 09:27	1
Toluene	<0.00201	U	0.00201	mg/Kg		09/30/21 11:45	10/03/21 09:27	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		09/30/21 11:45	10/03/21 09:27	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		09/30/21 11:45	10/03/21 09:27	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		09/30/21 11:45	10/03/21 09:27	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		09/30/21 11:45	10/03/21 09:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			09/30/21 11:45	10/03/21 09:27	1
1,4-Difluorobenzene (Surr)	104		70 - 130			09/30/21 11:45	10/03/21 09:27	1
Method: Total BTEX - Total B	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			10/04/21 10:14	1
Method: 8015 NM - Diesel Rar	ige Organics (DR	O) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
	405		50.0	mg/Kg			10/04/21 10:33	

Eurofins Xenco, Carlsbad

Client Sample Results

RL

50.0

Unit

mg/Kg

D

Prepared

09/30/21 15:11

Result Qualifier

<50.0 U

Job ID: 890-1331-1 SDG: 31402909.19

Project/Site: EVGSAU 2801-002 **Client Sample ID: SS03**

Date Collected: 09/29/21 10:08 Date Received: 09/29/21 14:15

Client: WSP USA Inc.

Analyte

Lab Sample ID: 890-1331-3

Analyzed

10/02/21 17:38

Matrix: Solid

Dil Fac

1

ate Collected: 09/29/21 10:04 ate Received: 09/29/21 14:15 ample Depth: 0.5 Method: 8021B - Volatile Organi Analyte		GC) Qualifier	RL	Unit	D	Prepared	Matri	x: Solid
ate Collected: 09/29/21 10:04 ate Received: 09/29/21 14:15 ample Depth: 0.5							Matri	x: Solid
lient Sample ID: SS04						Lab Sar	nple ID: 890-	1331-4
Chloride	6980		50.1	mg/Kg			10/06/21 06:55	10
Method: 300.0 - Anions, Ion Chr Analyte		Soluble Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
p-Terphenyl	110		70 - 130			09/30/21 15:11	10/02/21 17:38	1
Surrogate 1-Chlorooctane	% Recovery	Qualifier	Limits			Prepared 09/30/21 15:11	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	69.4		50.0	mg/Kg		09/30/21 15:11	10/02/21 17:38	1
Diesel Range Organics (Over C10-C28)	336		50.0	mg/Kg		09/30/21 15:11	10/02/21 17:38	1
(GRO)-C6-C10								

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	mg/Kg			10/04/21 10:14	1
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	55.3		50.0	mg/Kg			10/04/21 10:33	1
Method: 8015B NM - Diesel Rang	e Organics (D							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.8	U	49.8	mg/Kg		09/30/21 15:11	10/02/21 17:59	1
(GRO)-C6-C10								
Diesel Range Organics (Over	55.3		49.8	mg/Kg		09/30/21 15:11	10/02/21 17:59	1
C10-C28)								
Oll Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		09/30/21 15:11	10/02/21 17:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130			09/30/21 15:11	10/02/21 17:59	1
o-Terphenyl	107		70 - 130			09/30/21 15:11	10/02/21 17:59	1

Eurofins Xenco, Carlsbad

Gasoline Range Organics

		Clien	t Sample Re	sults				
Client: WSP USA Inc.							Job ID: 890	
Project/Site: EVGSAU 2801-002							SDG: 3140	2909.19
Client Sample ID: SS04						Lab Sar	nple ID: 890-	1331-4
Date Collected: 09/29/21 10:04							Matri	x: Solic
Date Received: 09/29/21 14:15								
Sample Depth: 0.5								
_ Method: 300.0 - Anions, Ion Chr	o moto o von bu	Colubia						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	10200		49.7	mg/Kg			10/06/21 07:17	1
Client Sample ID: SS05						Lah Sar	nple ID: 890-	1331-4
Date Collected: 09/29/21 10:05						Lab Gai	-	x: Solic
Date Received: 09/29/21 14:15							Wath	x. 30iit
Sample Depth: 0.5								
-								
Method: 8021B - Volatile Organi						_		_
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201		0.00201	mg/Kg		09/30/21 11:45	10/03/21 10:23	1
Toluene	<0.00201		0.00201	mg/Kg		09/30/21 11:45	10/03/21 10:23	
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		09/30/21 11:45	10/03/21 10:23	
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		09/30/21 11:45	10/03/21 10:23	
o-Xylene	<0.00201	U	0.00201	mg/Kg		09/30/21 11:45	10/03/21 10:23	
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		09/30/21 11:45	10/03/21 10:23	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	97		70 - 130			09/30/21 11:45	10/03/21 10:23	
1,4-Difluorobenzene (Surr)	94		70 - 130			09/30/21 11:45	10/03/21 10:23	1
Method: Total BTEX - Total BTE	X Calculation							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200		0.00200	mg/Kg			10/04/21 10:14	
_ Method: 8015 NM - Diesel Rango	Organics (DR							
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	174		50.0	mg/Kg			10/04/21 10:33	
_ Method: 8015B NM - Diesel Ran	ao Organice (D							
Analyte	·	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics			50.0			09/30/21 15:11	10/02/21 18:20	Dirta
(GRO)-C6-C10	400.0	0	00.0	mg/rtg		00/00/21 10:11	10/02/21 10:20	
Diesel Range Organics (Over	174		50.0	mg/Kg		09/30/21 15:11	10/02/21 18:20	
C10-C28)								
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		09/30/21 15:11	10/02/21 18:20	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	100		70 - 130			09/30/21 15:11	10/02/21 18:20	
o-Terphenyl	109		70 - 130			09/30/21 15:11	10/02/21 18:20	
_ Method: 300.0 - Anions, Ion Chr	omatography -	Soluble						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
					-			

Eurofins Xenco, Carlsbad

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1		
Lab Sample ID	Client Sample ID	(70-130)	(70-130)		
890-1324-A-21-E MS	Matrix Spike	104	100		
890-1324-A-21-F MSD	Matrix Spike Duplicate	99	88		
890-1331-1	SS01	125	96		-
890-1331-2	SS02	95	100		
890-1331-3	SS03	103	104		
890-1331-4	SS04	99	105		
890-1331-5	SS05	97	94		
LCS 880-8654/1-A	Lab Control Sample	111	93		
LCSD 880-8654/2-A	Lab Control Sample Dup	124	103		
MB 880-8650/5-A	Method Blank	67 S1-	95		
MB 880-8654/5-A	Method Blank	70	94		
Surrogate Legend					
BFB = 4-Bromofluorober	nzene (Surr)				
DFBZ = 1,4-Difluorobenz	zene (Surr)				

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

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)
		1CO1	OTPH1	
b Sample ID	Client Sample ID	(70-130)	(70-130)	
-6676-A-1-C MS	Matrix Spike	97	93	
6676-A-1-D MSD	Matrix Spike Duplicate	100	95	
331-1	SS01	99	109	
331-2	SS02	113	125	
331-3	SS03	102	110	
331-4	SS04	99	107	
331-5	SS05	100	109	
80-8688/2-A	Lab Control Sample	112	115	
880-8688/3-A	Lab Control Sample Dup	109	112	
0-8688/1-A	Method Blank	111	129	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

13

Prep Type: Total/NA

Prep Type: Total/NA

Client: WSP USA Inc. Project/Site: EVGSAU 2801-002

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-8650/5-/	4								Client Sa	mple ID: Me	ethod	Blank
Matrix: Solid										Prep Typ		
Analysis Batch: 8743												n: 8650
	MB	MB										
Analyte	Result	Qualifier	R	L	Unit		D	Pr	epared	Analyzed		Dil Fac
Benzene	<0.00200	U	0.0020	0	mg/K	(g	_	09/30)/21 11:34	10/02/21 10:	41 –	1
Toluene	<0.00200	U	0.0020	0	mg/K	(g		09/30)/21 11:34	10/02/21 10:	41	1
Ethylbenzene	<0.00200	U	0.0020	0	mg/K	(g		09/30)/21 11:34	10/02/21 10:	41	1
m-Xylene & p-Xylene	<0.00400	U	0.0040	0	mg/K	ίg		09/30)/21 11:34	10/02/21 10:	41	1
o-Xylene	<0.00200	U	0.0020	0	mg/K	-		09/30)/21 11:34	10/02/21 10:	41	1
Xylenes, Total	<0.00400	U	0.0040	0	mg/K	-		09/30)/21 11:34	10/02/21 10:	41	1
					0	0						
	MB											
Surrogate	%Recovery		Limits	_					repared	Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)		S1-	70 - 130						0/21 11:34	10/02/21 10:		1
1,4-Difluorobenzene (Surr)	95		70 - 130					09/30	0/21 11:34	10/02/21 10:	41	1
_ Lab Sample ID: MB 880-8654/5-/	`								Client Sc	mple ID: Me	othod	Blank
Matrix: Solid										Prep Typ		
Analysis Batch: 8743												n: 8654
Analysis Batch. 0745	MB	мв								Fieb	Daten	1. 0054
Analyte		Qualifier	R	I	Unit		D	Pr	epared	Analyzed		Dil Fac
Benzene	<0.00200		0.0020		01112 mg/k	ία	_)/21 11:45	10/03/21 00:		1
Toluene	<0.00200		0.0020		mg/k	-)/21 11:45	10/03/21 00:		1
Ethylbenzene	<0.00200		0.0020		mg/k	-)/21 11:45	10/03/21 00:		1
m-Xylene & p-Xylene	<0.00200		0.0040		mg/k)/21 11:45	10/03/21 00:		1
o-Xylene	<0.00200		0.0020		mg/k	-)/21 11:45	10/03/21 00:		1
Xylenes, Total	<0.00200		0.0040		mg/k	-)/21 11:45	10/03/21 00:		1
	0.00100	0	0.0010	0	iiig/ii	.9		00/00		10/00/21 00.	12	
	MB	MB										
Surrogate	%Recovery	Qualifier	Limits	_				Pr	repared	Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)	70		70 - 130					09/30	0/21 11:45	10/03/21 00:	12	1
1,4-Difluorobenzene (Surr)	94		70 - 130					09/30	0/21 11:45	10/03/21 00:	12	1
	•						~	Mant	Comple		4ma I C	omula
Lab Sample ID: LCS 880-8654/1- Matrix: Solid	A						U	ment	Sample	ID: Lab Con		-
										Prep Typ		n: 8654
Analysis Batch: 8743			Spike	1.08	LCS					%Rec.	Datch	1. 0004
Analyta			Spike Added		Qualifier	Unit		D	%Rec	Limits		
Analyte			0.100		Quaimer							
Benzene			0.100	0.08345		mg/Kg			83 95	70 - 130 70 - 130		
Toluene				0.09467		mg/Kg				70 - 130		
Ethylbenzene			0.100	0.09116		mg/Kg			91	70 - 130		
m-Xylene & p-Xylene			0.200	0.1965		mg/Kg			98	70 ₋ 130		
o-Xylene			0.100	0.1027		mg/Kg			103	70 - 130		
	LCS LCS	;										
Surrogate	%Recovery Qua	lifier	Limits									
4-Bromofluorobenzene (Surr)	111		70 - 130									
1,4-Difluorobenzene (Surr)	93		70 - 130									
-	2 A					0	0.04	Sam	nlo ID: I	ah Control (Som - 1	lo Dure
Lab Sample ID: LCSD 880-8654/ Matrix: Solid	2-A					CI	ent	Sam	pie in: F	ab Control S		
										Prep Typ		
Analysis Batch: 8743			Spiles	1.000	LCSD						Datch	n: 8654
Analyta			Spike			110:4		P	% Dee	%Rec.	000	RPD Limit
Analyte			Added		Qualifier	Unit			%Rec	Limits	RPD	Limit
Benzene			0.100	0.09421		mg/Kg			94	70 - 130	12	35

Job ID: 890-1331-1 SDG: 31402909.19

Page 10 of 26

Eurofins Xenco, Carlsbad

Client: WSP USA Inc. Project/Site: EVGSAU 2801-002 Job ID: 890-1331-1 SDG: 31402909.19

Page 34 of 57

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

Matrix: Solid									Prep T	ype: Tot	al/NA
Analysis Batch: 8743									Prej	Batch:	8654
			Spike	LCSD	LCSD				%Rec.		RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene			0.100	0.1037		mg/Kg		104	70 - 130	9	35
Ethylbenzene			0.100	0.09803		mg/Kg		98	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.2107		mg/Kg		105	70 _ 130	7	35
o-Xylene			0.100	0.1092		mg/Kg		109	70 _ 130	6	35
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	124		70 - 130								
1,4-Difluorobenzene (Surr)	103		70 _ 130								
the second se	-21-E MS							Client	Sample ID: Prep T	Matrix ype: Tot	
Matrix: Solid		Sample	Spike	MS	MS			Client	Prep T		al/NA
Matrix: Solid Analysis Batch: 8743	Sample	Sample Qualifier	Spike Added		MS Qualifier	Unit	D	Client %Rec	Prep T Prej	ype: Tot	al/NA
Matrix: Solid Analysis Batch: 8743 Analyte	Sample	Qualifier	•	Result		_ <mark>Unit</mark> mg/Kg	D		Prep T Prej %Rec.	ype: Tot	al/NA
Matrix: Solid Analysis Batch: 8743 Analyte Benzene	Sample Result	Qualifier U F2 F1	Added	Result 0.003905	Qualifier		D	%Rec	Prep T Prej %Rec. Limits	ype: Tot	al/NA
Matrix: Solid Analysis Batch: 8743 Analyte Benzene Toluene	Sample 	Qualifier U F2 F1 U F1	Added	Result 0.003905	Qualifier F1 F1	mg/Kg	<u>D</u>	<mark>%Rec</mark>	Prep T Prep %Rec. Limits 70 - 130	ype: Tot	al/NA
Matrix: Solid Analysis Batch: 8743 Analyte Benzene Toluene Ethylbenzene	Sample Result <0.00198 <0.00198	Qualifier U F2 F1 U F1 U F1	Added	Result 0.003905 0.006534 0.008906	Qualifier F1 F1	mg/Kg mg/Kg	D	%Rec 4 7	Prep T Preg %Rec. Limits 70 - 130 70 - 130	ype: Tot	al/NA
Lab Sample ID: 890-1324-A- Matrix: Solid Analysis Batch: 8743 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	Sample Result <0.00198 <0.00198 <0.00198	Qualifier U F2 F1 U F1 U F1 U F1	Added 0.100 0.100 0.100	Result 0.003905 0.006534 0.008906	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg	D	%Rec 4 7 9	Prep T Prej %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130	ype: Tot	al/NA
Matrix: Solid Analysis Batch: 8743 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Sample Result <0.00198 <0.00198 <0.00198 <0.00396	Qualifier U F2 F1 U F1 U F1 U F1 U F1 U F1	Added 0.100 0.100 0.100 0.201	Result 0.003905 0.006534 0.008906 0.01579	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 4 7 9 8	Prep T Prej %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ype: Tot	al/NA
Matrix: Solid Analysis Batch: 8743 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene	Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198	Qualifier U F2 F1 U F1 U F1 U F1 U F1 U F1 <i>MS</i>	Added 0.100 0.100 0.100 0.201	Result 0.003905 0.006534 0.008906 0.01579	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg	<u>D</u>	%Rec 4 7 9 8	Prep T Prej %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ype: Tot	al/NA
Matrix: Solid Analysis Batch: 8743 Analyte Benzene Toluene Ethylbenzene m-Xylene & p-Xylene o-Xylene	Sample Result <0.00198 <0.00198 <0.00198 <0.00396 <0.00198 <i>MS</i>	Qualifier U F2 F1 U F1 U F1 U F1 U F1 U F1 <i>MS</i>	Added 0.100 0.100 0.100 0.201 0.100	Result 0.003905 0.006534 0.008906 0.01579	Qualifier F1 F1 F1 F1	mg/Kg mg/Kg mg/Kg mg/Kg	D	%Rec 4 7 9 8	Prep T Prej %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130	ype: Tot	al/NA

Matrix: Solid Analysis Batch: 8743

1,4-Difluorobenzene (Surr)

Analysis Batch: 8743									Pre	p Batch:	: 8654
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	<0.00198	U F2 F1	0.0990	0.005958	F2 F1	mg/Kg		6	70 - 130	42	35
Toluene	<0.00198	U F1	0.0990	0.007302	F1	mg/Kg		7	70 _ 130	11	35
Ethylbenzene	<0.00198	U F1	0.0990	0.01021	F1	mg/Kg		10	70 _ 130	14	35
m-Xylene & p-Xylene	<0.00396	U F1	0.198	0.01777	F1	mg/Kg		9	70 - 130	12	35
o-Xylene	<0.00198	U F1	0.0990	0.01328	F1	mg/Kg		13	70 _ 130	13	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	99		70 - 130								

70 - 130

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

88

Lab Sample ID: MB 880-8688/1-A Matrix: Solid Analysis Batch: 8766	в мв				Client Sa	mple ID: Metho Prep Type: ⁻ Prep Bato	Total/NA
Analyte Resu	It Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics <50	0 U	50.0	mg/Kg		09/30/21 15:11	10/02/21 10:10	1
(GRO)-C6-C10							

5

Eurofins Xenco, Carlsbad

Prep Type: Total/NA

Client: WSP USA Inc. Project/Site: EVGSAU 2801-002

5

Job ID: 890-1331-1 SDG: 31402909.19

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

Lab Sample ID: MB 880-8688/1	1-A							Client S	ample ID:	Method	Blank
Matrix: Solid									Prep 1	Гуре: То	otal/NA
Analysis Batch: 8766									Pre	p Batch	n: 8688
	r	MB MB									
Analyte	Res	sult Qualif	ïer	RL	Unit		D	Prepared	Analyz	zed	Dil Fac
Diesel Range Organics (Over	<50	0.0 U		50.0	mg/K	g	09	9/30/21 15:11	10/02/21	10:10	1
C10-C28)											
Oll Range Organics (Over C28-C36)	<50	0.0 U	4	50.0	mg/K	g	09	9/30/21 15:11	10/02/21	10:10	1
	,	MB MB									
Surrogate	, %Recove		ier Limits	c .				Prepared	Analyz	rod	Dil Fac
1-Chlorooctane		111 Quall	70 - 1					9/30/21 15:11			1 Dii Fac
o-Terphenyl		129	70 - 1					9/30/21 15:11			1
	1	129	70-7	50			0.	9/30/21 13.11	10/02/21	10.10	,
Lab Sample ID: LCS 880-8688	1 2- Δ						Clie	nt Sample	ID: Lab C	ontrol S	ample
Matrix: Solid							0110	int oumpro		Гуре: То	-
Analysis Batch: 8766										p Batch	
Analysis Daten. 0700			Spike	LCS	LCS				%Rec.	p Daten	1. 0000
Analyte			Added		Qualifier	Unit	r	D %Rec	Limits		
Gasoline Range Organics				898.6	Quaimer	mg/Kg	L	90	70 - 130		
(GRO)-C6-C10			1000	090.0		myrxy		90	10 - 130		
Diesel Range Organics (Over			1000	1135		mg/Kg		114	70 - 130		
C10-C28)						5 5					
		LCS									
	LCS L										
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	%Recovery 112	Qualifier	70 - 130								
	%Recovery	Qualifier									
1-Chlorooctane o-Terphenyl	%Recovery 0 112 115	Qualifier	70 - 130			Cli	ont Sc		ab Contro	Samp	
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868	%Recovery 0 112 115	Qualifier	70 - 130			Cli	ent Sa	ample ID: I	Lab Contro	-	-
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid	%Recovery 0 112 115	Qualifier	70 - 130			Cli	ent Sa	ample ID: I	Prep 1	Туре: То	otal/NA
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868	%Recovery 0 112 115	Qualifier	70 - 130 70 - 130			Cli	ent Sa	ample ID: I	Prep Pre	-	otal/NA n: 8688
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766	%Recovery 0 112 115	Qualifier	70 - 130 70 - 130 Spike		LCSD			-	Prep 1 Pre %Rec.	Type: To p Batch	otal/NA n: 8688 RPD
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte	%Recovery 0 112 115	Qualifier	70 - 130 70 - 130 Spike Added	Result	LCSD Qualifier	Unit		D %Rec	Prep 7 Pre %Rec. Limits	Type: To p Batch RPD	otal/NA n: 8688 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics	%Recovery 0 112 115	Qualifier	70 - 130 70 - 130 Spike					-	Prep 1 Pre %Rec.	Type: To p Batch	otal/NA n: 8688 RPD
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10	%Recovery 0 112 115	Qualifier	70 - 130 70 - 130 Spike Added 1000	Result 912.9		_ <mark>Unit</mark> mg/Kg		D % Rec 91	Prep 7 Pre %Rec. Limits 70 - 130	Type: To p Batch RPD 2	tal/NA 1: 8688 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 0 112 115	Qualifier	70 - 130 70 - 130 Spike Added	Result		Unit		D %Rec	Prep 7 Pre %Rec. Limits	Type: To p Batch RPD	otal/NA n: 8688 RPD Limit
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10	<u>%Recovery</u> <u>112</u> 112 115 88/3-A		70 - 130 70 - 130 Spike Added 1000	Result 912.9		_ <mark>Unit</mark> mg/Kg		D % Rec 91	Prep 7 Pre %Rec. Limits 70 - 130	Type: To p Batch RPD 2	tal/NA 1: 8688 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<u>%Recovery</u> <u>112</u> 115 88/3-A	LCSD	70 - 130 70 - 130 Spike Added 1000	Result 912.9		_ <mark>Unit</mark> mg/Kg		D % Rec 91	Prep 7 Pre %Rec. Limits 70 - 130	Type: To p Batch RPD 2	tal/NA 1: 8688 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	%Recovery 0 112 115 88/3-A LCSD L %Recovery 0	LCSD	70 - 130 70 - 130 Spike Added 1000 1000	Result 912.9		_ <mark>Unit</mark> mg/Kg		D % Rec 91	Prep 7 Pre %Rec. Limits 70 - 130	Type: To p Batch RPD 2	tal/NA 1: 8688 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	<u>%Recovery</u> <u>112</u> <u>115</u> 88/3-A <u>LCSD</u> <u>%Recovery</u> <u>109</u>	LCSD	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 <i>Limits</i> 70 - 130	Result 912.9		_ <mark>Unit</mark> mg/Kg		D % Rec 91	Prep 7 Pre %Rec. Limits 70 - 130	Type: To p Batch RPD 2	tal/NA 1: 8688 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	%Recovery 0 112 115 88/3-A LCSD L %Recovery 0	LCSD	70 - 130 70 - 130 Spike Added 1000 1000	Result 912.9		_ <mark>Unit</mark> mg/Kg		D % Rec 91	Prep 7 Pre %Rec. Limits 70 - 130	Type: To p Batch RPD 2	tal/NA 1: 8688 RPD Limit 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl	%Recovery Q 112 115 115 115 88/3-A	LCSD	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 <i>Limits</i> 70 - 130	Result 912.9		_ <mark>Unit</mark> mg/Kg		D %Rec 91 111	Prep 7 Pre %Rec. Limits 70 - 130 70 - 130	Type: To p Batch <u>RPD</u> 2 2	otal/NA 1: 8688 RPD Limit 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-6676-A-1-	%Recovery Q 112 115 115 115 88/3-A	LCSD	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 <i>Limits</i> 70 - 130	Result 912.9		_ <mark>Unit</mark> mg/Kg		D %Rec 91 111	Prep 7 Pre %Rec. Limits 70 - 130 70 - 130 Sample ID	rype: To p Batch 2 2 2	tal/NA 1: 8688 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-6676-A-1- Matrix: Solid	%Recovery Q 112 115 115 115 88/3-A	LCSD	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 <i>Limits</i> 70 - 130	Result 912.9		_ <mark>Unit</mark> mg/Kg		D %Rec 91 111	Prep %Rec. Limits 70 - 130 70 - 130 Sample ID Prep	rype: To p Batch 2 2 2 : Matrix rype: To	tal/NA 1: 8688 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-6676-A-1-	<u>%Recovery</u> <u>112</u> <u>115</u> 115 115 115 115 115 115 116 117 117 117 115 118 115 115 116 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 117 11	LCSD Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 200 70 - 130 70 - 130	Result 912.9 1108	Qualifier	_ <mark>Unit</mark> mg/Kg		D %Rec 91 111	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep Prep Prep	rype: To p Batch 2 2 2	tal/NA 1: 8688 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-6676-A-1-4 Matrix: Solid Analysis Batch: 8766	<u>%Recovery</u> <u>6</u> <u>112</u> 115 88/3-A <u>LCSD</u> <u>L</u> <u>%Recovery</u> <u>6</u> <u>109</u> 112 C MS Sample S	LCSD Qualifier Sample	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 <u>Limits</u> 70 - 130 70 - 130 70 - 130	Result 912.9 1108 MS	Qualifier	– <mark>Unit</mark> mg/Kg mg/Kg	<u>1</u>	D %Rec 91 111	Prep %Rec. Limits 70 - 130 70 - 130 Sample ID Prep Prep %Rec.	rype: To p Batch 2 2 2 : Matrix rype: To	tal/NA 1: 8688 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-6676-A-1- Matrix: Solid Analysis Batch: 8766 Analyte	%Recovery G 112 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 112 112 C MS Sample Sample Sample	LCSD Qualifier Sample Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 Spike Added	Result 912.9 1108 MS Result	Qualifier	Unit mg/Kg mg/Kg	<u>1</u>	D %Rec 91 111 Client	Prep 7 Pre %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Prep 7 Prep 7 %Rec. Limits	rype: To p Batch 2 2 2 : Matrix rype: To	tal/NA 1: 8688 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-6676-A-1- Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics	<u>%Recovery</u> <u>6</u> <u>112</u> 115 88/3-A <u>LCSD</u> <u>L</u> <u>%Recovery</u> <u>6</u> <u>109</u> 112 C MS Sample S	LCSD Qualifier Sample Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 <u>Limits</u> 70 - 130 70 - 130 70 - 130	Result 912.9 1108 MS	Qualifier	– <mark>Unit</mark> mg/Kg mg/Kg	<u>1</u>	D %Rec 91 111	Prep %Rec. Limits 70 - 130 70 - 130 Sample ID Prep Prep %Rec.	rype: To p Batch 2 2 2 : Matrix rype: To	tal/NA 1: 8688 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-6676-A-1- Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10	%Recovery C 112 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 %Recovery 109 112 112 C MS Sample Result 100 <49.8	LCSD Qualifier Sample Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 1000	Result 912.9 1108 MS Result 866.0	Qualifier	- Unit mg/Kg mg/Kg - Unit mg/Kg	<u>1</u>	D %Rec 91 111 Client D %Rec 87	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 %Rec. Prep %Rec. Limits 70 - 130	rype: To p Batch 2 2 2 : Matrix rype: To	tal/NA 1: 8688 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-6676-A-1- Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery G 112 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 112 112 C MS Sample Sample Sample	LCSD Qualifier Sample Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 1000 Spike Added	Result 912.9 1108 MS Result	Qualifier	Unit mg/Kg mg/Kg	<u>1</u>	D %Rec 91 111 Client	Prep 7 Pre %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 Prep 7 Prep 7 %Rec. Limits	rype: To p Batch 2 2 2 : Matrix rype: To	tal/NA 1: 8688 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-6676-A-1- Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10	%Recovery C 112 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 %Recovery 109 112 112 C MS Sample Result 100 <49.8	LCSD Qualifier Sample Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 1000	Result 912.9 1108 MS Result 866.0	Qualifier	- Unit mg/Kg mg/Kg - Unit mg/Kg	<u>1</u>	D %Rec 91 111 Client D %Rec 87	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 %Rec. Prep %Rec. Limits 70 - 130	rype: To p Batch 2 2 2 : Matrix rype: To	tal/NA 1: 8688 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-6676-A-1- Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery C 112 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 %Recovery 109 112 112 C MS Sample Result 100 <49.8	LCSD Qualifier Sample Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 1000	Result 912.9 1108 MS Result 866.0	Qualifier	- Unit mg/Kg mg/Kg - Unit mg/Kg	<u>1</u>	D %Rec 91 111 Client D %Rec 87	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 %Rec. Prep %Rec. Limits 70 - 130	rype: To p Batch 2 2 2 : Matrix rype: To	tal/NA 1: 8688 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-6676-A-1- Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery G 112 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 112 112 112 112 C MS 112 C MS 112 C MS 218 MS MS	LCSD Qualifier Sample Qualifier	70 - 130 70 - 130 70 - 130 Spike Added 1000	Result 912.9 1108 MS Result 866.0	Qualifier	- Unit mg/Kg mg/Kg - Unit mg/Kg	<u>1</u>	D %Rec 91 111 Client D %Rec 87	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 %Rec. Prep %Rec. Limits 70 - 130	rype: To p Batch 2 2 2 : Matrix rype: To	tal/NA 1: 8688 RPD Limit 20 20 20
1-Chlorooctane o-Terphenyl Lab Sample ID: LCSD 880-868 Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 880-6676-A-1- Matrix: Solid Analysis Batch: 8766 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	%Recovery G 112 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 115 112 112 112 112 C MS 112 C MS 112 C MS 218 MS MS	LCSD Qualifier Sample Qualifier J	70 - 130 70 - 130 70 - 130 Spike Added 1000	Result 912.9 1108 MS Result 866.0	Qualifier	- Unit mg/Kg mg/Kg - Unit mg/Kg	<u>1</u>	D %Rec 91 111 Client D %Rec 87	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 %Rec. Prep %Rec. Limits 70 - 130	rype: To p Batch 2 2 2 : Matrix rype: To	tal/NA 1: 8688 RPD Limit 20 20 20

Client: WSP USA Inc. Project/Site: EVGSAU 2801-002 Job ID: 890-1331-1 SDG: 31402909.19

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

									Prep [·]	Type: To	tal/N/
Analysis Batch: 8766									Pre	p Batch	: 868
	Sample	Sample	Spike	MSD	MSD				%Rec.		RP
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	999	903.1		mg/Kg		90	70 - 130	4	2
Diesel Range Organics (Over C10-C28)	218		999	966.2		mg/Kg		75	70 - 130	4	2
	MSD	MSD									
Surrogate %I	Recovery	Qualifier	Limits								
1-Chlorooctane	100		70 - 130								
o-Terphenyl	95		70 - 130								
Lab Sample ID: MB 880-8734/1-A Matrix: Solid Analysis Batch: 8968		МВ МВ						Client	Sample ID: Prep	Method Type: S	
Analyte	P	esult Qualifier	R		Unit		D	Prepared	Analy	700	Dil Fa
Chloride		5.00 U			mg/K			repared	10/06/21		Dirio
Analysis Batch: 8968			Spike		LCS		_	~-	%Rec.		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		-
Chloride			250	252.1		malka					
			200	202.1		mg/Kg		101	90 - 110		
Lab Sample ID: LCSD 880-8734/3-A Matrix: Solid	X			202.1			ent Sai		Lab Contro	ol Sampl Type: S	
Lab Sample ID: LCSD 880-8734/3-A Matrix: Solid	λ.				LCSD		ent Sai		Lab Contro Prep		olub
Lab Sample ID: LCSD 880-8734/3-A Matrix: Solid Analysis Batch: 8968	X		Spike	LCSD	LCSD Qualifier		ent Sai		Lab Contro		olub RF
Lab Sample ID: LCSD 880-8734/3-A Matrix: Solid Analysis Batch: 8968 Analyte			Spike	LCSD		Cli		nple ID:	Lab Contro Prep %Rec.	Type: S	olub Ri Lir
Lab Sample ID: LCSD 880-8734/3-A Matrix: Solid Analysis Batch: 8968 Analyte Chloride Lab Sample ID: 890-1331-1 MS			Spike Added	LCSD Result		Clic		mple ID: %Rec	Lab Contro Prep %Rec. Limits 90 - 110 Client Sa	Type: So <u>RPD</u> 1 mple ID:	olub RF Lin
Lab Sample ID: LCSD 880-8734/3-A Matrix: Solid Analysis Batch: 8968 Analyte Chloride Lab Sample ID: 890-1331-1 MS Matrix: Solid			Spike Added	LCSD Result		Clic		mple ID: %Rec	Lab Contro Prep %Rec. Limits 90 - 110 Client Sa	Type: So	olub RF Lin
Lab Sample ID: LCSD 880-8734/3-A Matrix: Solid Analysis Batch: 8968 Analyte Chloride Lab Sample ID: 890-1331-1 MS Matrix: Solid Analysis Batch: 8968		Sample	Spike Added	LCSD Result 255.1		Clic		mple ID: %Rec	Lab Contro Prep %Rec. Limits 90 - 110 Client Sa	Type: So <u>RPD</u> 1 mple ID:	olub RF Lim 2 SS0
Lab Sample ID: LCSD 880-8734/3-A Matrix: Solid Analysis Batch: 8968 Analyte Chloride Lab Sample ID: 890-1331-1 MS Matrix: Solid Analysis Batch: 8968	Sample	Sample Qualifier	Spike Added 250	LCSD Result 255.1 MS	Qualifier	Clic		mple ID: %Rec	Lab Contro Prep %Rec. Limits 90 - 110 Client Sa Prep	Type: So <u>RPD</u> 1 mple ID:	olub RF Lin
Lab Sample ID: LCSD 880-8734/3-A Matrix: Solid Analysis Batch: 8968 Analyte Chloride Lab Sample ID: 890-1331-1 MS Matrix: Solid Analysis Batch: 8968	Sample	Qualifier	Spike Added 250 Spike	LCSD Result 255.1 MS	Qualifier MS Qualifier	Clie Unit mg/Kg	<u>D</u>	%Rec 102	Lab Contro Prep %Rec. Limits 90 - 110 Client Sa Prep %Rec.	Type: So <u>RPD</u> 1 mple ID:	olub RF Lin
Lab Sample ID: LCSD 880-8734/3-A Matrix: Solid Analysis Batch: 8968 Analyte Chloride Lab Sample ID: 890-1331-1 MS Matrix: Solid Analysis Batch: 8968 Analyte Chloride Lab Sample ID: 890-1331-1 MSD Matrix: Solid	Sample Result	Qualifier	Spike Added 250 Spike Added	LCSD Result 255.1 MS Result	Qualifier MS Qualifier	Cliv Unit mg/Kg Unit	<u>D</u>	%Rec%Rec%Rec	Lab Contro Prep %Rec. Limits 90 - 110 Client Sa 90 - 110 KRec. Limits 90 - 110 Client Sa	RPD 1 mple ID: Type: S	olub RF Lim SS0 olub
Lab Sample ID: LCSD 880-8734/3-A Matrix: Solid Analysis Batch: 8968 Analyte Chloride Lab Sample ID: 890-1331-1 MS Matrix: Solid Analysis Batch: 8968 Analyte Chloride Lab Sample ID: 890-1331-1 MSD Matrix: Solid	Sample Result 10300	Qualifier	Spike Added 250 Spike Added	LCSD Result 255.1 MS Result 17280	Qualifier MS Qualifier	Cliv Unit mg/Kg Unit	<u>D</u>	%Rec%Rec%Rec	Lab Contro Prep %Rec. Limits 90 - 110 Client Sa 90 - 110 KRec. Limits 90 - 110 Client Sa	Type: S <u>RPD</u> 1 mple ID: Type: S mple ID:	SSC
Lab Sample ID: LCSD 880-8734/3-A Matrix: Solid Analysis Batch: 8968 Analyte Chloride Lab Sample ID: 890-1331-1 MS Matrix: Solid	Sample Result 10300 Sample	Qualifier F1	Spike 250 Spike Added 4990	LCSD Result 255.1 MS Result 17280	Qualifier MS Qualifier F1	Cliv Unit mg/Kg Unit	<u>D</u>	%Rec%Rec%Rec	Lab Contro Prep %Rec. Limits 90 - 110 Client Sa Prep %Rec. Limits 90 - 110 Client Sa Prep	Type: S <u>RPD</u> 1 mple ID: Type: S mple ID:	SSC olub

90-1331-1 402909.19

5

Page 36 of 57
QC Association Summary

Client: WSP USA Inc. Project/Site: EVGSAU 2801-002 Job ID: 890-1331-1

SDG: 31402909.19

GC VOA

Prep Batch: 8650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-8650/5-A	Method Blank	Total/NA	Solid	5035	
Prep Batch: 8654					
Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1331-1	SS01	Total/NA	Solid	5035	
890-1331-2	SS02	Total/NA	Solid	5035	
890-1331-3	SS03	Total/NA	Solid	5035	
890-1331-4	SS04	Total/NA	Solid	5035	
890-1331-5	SS05	Total/NA	Solid	5035	
MB 880-8654/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-8654/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-8654/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1324-A-21-E MS	Matrix Spike	Total/NA	Solid	5035	
890-1324-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 8743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1331-1	SS01	Total/NA	Solid	8021B	8654
890-1331-2	SS02	Total/NA	Solid	8021B	8654
890-1331-3	SS03	Total/NA	Solid	8021B	8654
890-1331-4	SS04	Total/NA	Solid	8021B	8654
890-1331-5	SS05	Total/NA	Solid	8021B	8654
MB 880-8650/5-A	Method Blank	Total/NA	Solid	8021B	8650
MB 880-8654/5-A	Method Blank	Total/NA	Solid	8021B	8654
LCS 880-8654/1-A	Lab Control Sample	Total/NA	Solid	8021B	8654
LCSD 880-8654/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	8654
890-1324-A-21-E MS	Matrix Spike	Total/NA	Solid	8021B	8654
890-1324-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	8654

Analysis Batch: 8782

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1331-1	SS01	Total/NA	Solid	Total BTEX	
890-1331-2	SS02	Total/NA	Solid	Total BTEX	
890-1331-3	SS03	Total/NA	Solid	Total BTEX	
890-1331-4	SS04	Total/NA	Solid	Total BTEX	
890-1331-5	SS05	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 8688

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1331-1	SS01	Total/NA	Solid	8015NM Prep	
890-1331-2	SS02	Total/NA	Solid	8015NM Prep	
890-1331-3	SS03	Total/NA	Solid	8015NM Prep	
890-1331-4	SS04	Total/NA	Solid	8015NM Prep	
890-1331-5	SS05	Total/NA	Solid	8015NM Prep	
MB 880-8688/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-8688/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-8688/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-6676-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-6676-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

5 6

QC Association Summary

Client: WSP USA Inc. Project/Site: EVGSAU 2801-002 Page 38 of 57

SDG: 31402909.19

GC Semi VOA

Analysis Batch: 8766

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1331-1	SS01	Total/NA	Solid	8015B NM	8688
890-1331-2	SS02	Total/NA	Solid	8015B NM	8688
890-1331-3	SS03	Total/NA	Solid	8015B NM	8688
890-1331-4	SS04	Total/NA	Solid	8015B NM	8688
890-1331-5	SS05	Total/NA	Solid	8015B NM	8688
MB 880-8688/1-A	Method Blank	Total/NA	Solid	8015B NM	8688
LCS 880-8688/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8688
LCSD 880-8688/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8688
880-6676-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	8688
880-6676-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8688

Analysis Batch: 8793

390-1331-1	SS01	Total/NA	Solid	8015B NM	8688	-
390-1331-2	SS02	Total/NA	Solid	8015B NM	8688	5
390-1331-3	SS03	Total/NA	Solid	8015B NM	8688	
390-1331-4	SS04	Total/NA	Solid	8015B NM	8688	6
390-1331-5	SS05	Total/NA	Solid	8015B NM	8688	
VB 880-8688/1-A	Method Blank	Total/NA	Solid	8015B NM	8688	
CS 880-8688/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	8688	
.CSD 880-8688/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	8688	8
80-6676-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	8688	
880-6676-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	8688	9
alysis Batch: 8793						9 10
alysis Batch: 8793 ab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	8688 Prep Batch	9 10
alysis Batch: 8793 ab Sample ID 90-1331-1	Client Sample ID SS01	Prep Type Total/NA	Matrix Solid	Method 8015 NM		9 10 11
aalysis Batch: 8793 ab Sample ID 90-1331-1 90-1331-2	Client Sample ID SS01 SS02	Prep Type Total/NA Total/NA	Matrix Solid Solid	Method 8015 NM 8015 NM		9 10 11
ab Sample ID 90-1331-1 90-1331-2 90-1331-3	Client Sample ID SS01 SS02 SS03	Prep Type Total/NA Total/NA Total/NA	Matrix Solid Solid Solid	Method 8015 NM 8015 NM 8015 NM		9 10 11 12
380-6676-A-1-D MSD nalysis Batch: 8793 290-1331-1 390-1331-2 390-1331-3 390-1331-3 390-1331-4 390-1331-5	Client Sample ID SS01 SS02	Prep Type Total/NA Total/NA	Matrix Solid Solid	Method 8015 NM 8015 NM		9 10 11 12

HPLC/IC

Leach Batch: 8734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1331-1	SS01	Soluble	Solid	DI Leach	
890-1331-2	SS02	Soluble	Solid	DI Leach	
890-1331-3	SS03	Soluble	Solid	DI Leach	
890-1331-4	SS04	Soluble	Solid	DI Leach	
890-1331-5	SS05	Soluble	Solid	DI Leach	
MB 880-8734/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-8734/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-8734/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-1331-1 MS	SS01	Soluble	Solid	DI Leach	
890-1331-1 MSD	SS01	Soluble	Solid	DI Leach	

Analysis Batch: 8968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1331-1	SS01	Soluble	Solid	300.0	8734
890-1331-2	SS02	Soluble	Solid	300.0	8734
890-1331-3	SS03	Soluble	Solid	300.0	8734
890-1331-4	SS04	Soluble	Solid	300.0	8734
890-1331-5	SS05	Soluble	Solid	300.0	8734
MB 880-8734/1-A	Method Blank	Soluble	Solid	300.0	8734
LCS 880-8734/2-A	Lab Control Sample	Soluble	Solid	300.0	8734
LCSD 880-8734/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	8734
890-1331-1 MS	SS01	Soluble	Solid	300.0	8734
890-1331-1 MSD	SS01	Soluble	Solid	300.0	8734

Client Sample ID: SS01 Date Collected: 09/29/21 10:11

Date Received: 09/29/21 14:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	8654	09/30/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8743	10/03/21 08:31	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8782	10/04/21 10:14	MR	XEN MID
Total/NA	Analysis	8015 NM		1			8793	10/04/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	8688	09/30/21 15:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8766	10/02/21 16:56	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	8734	10/01/21 12:10	CA	XEN MID
Soluble	Analysis	300.0		20			8968	10/06/21 06:27	СН	XEN MID

Client Sample ID: SS02

Date Collected: 09/29/21 10:13

Date Received: 09/29/21 14:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	8654	09/30/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8743	10/03/21 08:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8782	10/04/21 10:14	MR	XEN MID
Total/NA	Analysis	8015 NM		1			8793	10/04/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	8688	09/30/21 15:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8766	10/02/21 17:17	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	8734	10/01/21 12:10	CA	XEN MID
Soluble	Analysis	300.0		5			8968	10/06/21 06:48	СН	XEN MID

Client Sample ID: SS03 Date Collected: 09/29/21 10:08

Date Received: 09/29/21 14:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Ргер Туре	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	8654	09/30/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8743	10/03/21 09:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8782	10/04/21 10:14	MR	XEN MID
Total/NA	Analysis	8015 NM		1			8793	10/04/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	8688	09/30/21 15:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8766	10/02/21 17:38	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	8734	10/01/21 12:10	CA	XEN MID
Soluble	Analysis	300.0		10			8968	10/06/21 06:55	СН	XEN MID

Client Sample ID: SS04 Date Collected: 09/29/21 10:04 Date Received: 09/29/21 14:15

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	8654	09/30/21 11:45	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	8743	10/03/21 09:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			8782	10/04/21 10:14	MR	XEN MID

Eurofins Xenco, Carlsbad

Job ID: 890-1331-1 SDG: 31402909.19

Lab Sample ID: 890-1331-1

Matrix: Solid

12 13

Lab Sample ID: 890-1331-2

Lab Sample ID: 890-1331-3

Lab Sample ID: 890-1331-4

Matrix: Solid

Matrix: Solid

Job ID: 890-1331-1 SDG: 31402909.19

Lab Sample ID: 890-1331-4 Matrix: Solid

Lab Sample ID: 890-1331-5

Matrix: Solid

Date Collected: 09/29/21 10:04 Date Received: 09/29/21 14:15

Client Sample ID: SS04

Project/Site: EVGSAU 2801-002

Client: WSP USA Inc.

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			8793	10/04/21 10:33	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	8688	09/30/21 15:11	DM	XEN MID
Total/NA	Analysis	8015B NM		1			8766	10/02/21 17:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	8734	10/01/21 12:10	CA	XEN MID
Soluble	Analysis	300.0		10			8968	10/06/21 07:17	СН	XEN MID

Client Sample ID: SS05

Date Collected: 09/29/21 10:05 Date Received: 09/29/21 14:15

Batch Batch Dil Initial Final Batch Prepared Method Amount Amount Number Prep Type Туре Run Factor or Analyzed Analyst Lab Prep 5035 Total/NA 4.97 g 5 mL 8654 09/30/21 11:45 KL XEN MID Total/NA Analysis 8021B 5 mL 5 mL 8743 10/03/21 10:23 MR XEN MID 1 Total BTEX XEN MID Total/NA Analysis 1 8782 10/04/21 10:14 MR Total/NA 8015 NM 8793 10/04/21 10:33 XEN MID Analysis AJ 1 Total/NA Prep 8015NM Prep 10.01 g 10 mL 8688 09/30/21 15:11 DM XEN MID Total/NA Analysis 8015B NM 8766 10/02/21 18:20 XEN MID AJ 1 Soluble Leach DI Leach 5.05 g 50 mL 8734 10/01/21 12:10 CA XEN MID Soluble Analysis 300.0 8968 10/06/21 07:24 СН XEN MID 1

Laboratory References:

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

5 6

Accreditation/Certification Summary

Client: WSP USA Inc. Project/Site: EVGSAU 2801-002 Job ID: 890-1331-1 SDG: 31402909.19

Laboratory: Eurofins Xenco, Midland

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

thority	P	rogram	Identification Number	Expiration Date
as	N	IELAP	T104704400-21-22	06-30-22
The following analytes	are included in this report. b	out the laboratory is not certifi	ied by the governing authority. This list ma	y include analytes for
the agency does not of	fer certification.			, ,
• ,		Matrix	Analyte	
the agency does not of	fer certification.			

Eurofins Xenco, Carlsbad

Released to Imaging: 12/21/2021 10:29:19 AM

10

Job ID: 890-1331-1 SDG: 31402909.19

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
SW846 = 1	 "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, Ma "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Ed TestAmerica Laboratories, Standard Operating Procedure 	·	
Laboratory Re	eferences: = Eurofins Xenco, Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)70	4-5440	
XER III B			

Protocol References:

Laboratory References:

Client: WSP USA Inc. Project/Site: EVGSAU 2801-002 Page 43 of 57

Job ID: 890-1331-1 SDG: 31402909.19

ab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth	_
90-1331-1	SS01	Solid	09/29/21 10:11	09/29/21 14:15	0.5	
90-1331-2	SS02	Solid	09/29/21 10:13	09/29/21 14:15	0.5	
90-1331-3	SS03	Solid	09/29/21 10:08	09/29/21 14:15	0.5	
90-1331-4	SS04	Solid	09/29/21 10:04	09/29/21 14:15	0.5	
90-1331-5	SS05	Solid	09/29/21 10:05	09/29/21 14:15	0.5	

5	3 /	Who w .	Relinquished by: (Signature)	of Xenco. A minimum chai	Notice: Supparture of the document and event of samples arong which are an up up up and up to intern company to vertice, the samples of the control of service. Supparture of the control of the control samples and shall not assume any responsibility of any losses or expande by the cleant if such losses are due to circumstance should be control of service. A minimum characteristic structure of the control of the control of service are due to circumstance and shall not assume any second billity of any losses or expande by the cleant if such losses are due to circumstance should be control of service. A minimum characteristic structure of the control of the cont	Circle Method(s	Total 200.7 / 6010					SS05	SS04	SS03	SS02	SS01	Sample Identification	Sample Custody Seals:	Cooler Custody Seals:	Received Intact:	Temperature (°C):	SAMPLE RECEIPT	Sampler's Name: F	P.O. Number:	Project Number:	Project Name: B	Phone: 8	e ZIP:			Project Manager:	LAB
		1m	(Signature)	A minimum charge of \$75.00 will be applied to each project and a charge of so for each	nature a take document and rean queen not no sompless constructive arean provident or intri cheric company to Asirvo, is a ministra and succentrative Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses of expenses incurred by the client if such losses A minimum characterized and a characterized and a characterized of St for each sample submitted to Xenco but not analyzed. These terms will be A minimum characterized and a characterized and a characterized of St for each sample submitted to Xenco but not analyzed. These terms will be	Circle Method(s) and Metai(s) to be analyzed	10 200.8 / 6020:					S	- S	S	S	S			: Yes No	6	2.2/2		Payton Benner		314	EVGSAU 2801-002	817-683-2503	Midland, Texas 79705	3300 North A Street Bldg 1, Unit 222	WSP USA	Kalei Jennings	ABORATORIES
		Aue	Rec	opried to each p	of samples and	be analyze	20:		1000	-		Ì					Matrix D	NIA	MA	No	0	Temp Blank: (Yes			31402909.19	02		9705	eet Bldg 1,			Di
	5	al a	Received by: (Signature)	roject and a cn	shall not assur	d ICL	-					9/29/2021 1	9/29/2021 1	9/29/2021 1	9/29/2021 1	9/29/2021 1	Date T Sampled Sar	Total Containers	Correction Factor:	TINM	Thern	No							Unit 222			Hobbs,NM (
			Signature)	arge or so tor	me any respon	ICLP / SPLP 6010: 8HCHA SD AS BA BE	A 13PPM				_	10:05 0.5	10:04 0.5	10:08 0.5	10:13 0.5	10:11 0.5	Time Sampled	Itainers:	-	M-2	Thermometer ID	Wet Ice: Y	Due Date:	Rush:	Routine	Turn /	Email: kal	City	Ado	Co	Bill	Midland,TX (401) 240-4200 Datas,TX (419) 302-0000 Sati Antonio,TX (410) Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)7 Hobbs,NM (575-392-7550) Phoenix AZ (480-355-0900) Atlanta,GA (770-449-8800) Tam
	- 1-1	0		each sample s	sibility for any	DHR OLO	13PPM Texas 11										Depth		-2.2	1 1		Yes No	9		×	Turn Around	Email: kalei.jennings@wsp.com, payton.benner@wsp.com	City State ZIP:	Address:	Company Name	Bill to: (if different)	Midland,TX (432-704-5440) EL Paso,TX (915)585-3443 Lubbock,TX (806)794-1296 75-392-7550) Phoenix,AZ (480-355-0900) Atlanta,GA (770-449-8800) Tampa,FL (8
		9-29-2	Dat	Common of	uer mom snems company to venco, as annaces and succentratives by for any losses or expenses incurred by the client if such losses sample submitted to Xence, but not analyzed. These terms will be	HA SD	AI Sb	-				1 ×	1 ×	1 ×	1 ×	1 ×	Numbe	-			nera	•			_		@wsp.co	Midla		e: WSP	,	40) EL Pas Z (480-355
1		21415	Date/Time	Actico, out it	xpenses incl Xenco but n	As ba b	As Ba I			_		×	×	×	×	×	BTEX (I	EPA	0=8	021)							im, payto	Midland, Texas 79705	3300 North A Street Eldg 1, Unit 222			0,TX (915)5 -0900) Atla
6	4	2		ut analyzeu.	urred by the		Be B Cd					×	×	×	×	×	Chlorid	e (El	PA 3	800.0)						n.benner	s 79705	Street Eldo			;85-3443 L nta,GA (77
	ĥ	1	Relinquished by	TITON DEALLT	client if such		Ca Cr Co											_								ANA	@wsp.co		1, Unit 22			ubbock,TX 0-449-8800
1			ed by: (Si		h losses are o s will be enfo	PU IVITI													090-100				-			ANALYSIS REQUEST	B		ž			(806)794-1296) Tampa,FL (81)
			r: (Signature)		due to circu	WIT WU IN OU AU	e Pb M								-			_	or chain o							EQUEST		Re		P		94-1296 pa.FL (813-620-2000)
_					s are due to circumstances beyond the control enforced unless previously negotiated.		Cu Fe Pb Mg Mn Mo Ni K						$\left \right $					_	osu-issi chain of custody	f Custody							Deliverables: EDD	Reporting:Level II	State of Project:	Program: UST/PST		2000)
			Receive	regeneration.	yond the contract	and condition	Ni K Se					-						_					_			-			Project:			w
			Received by: (Signature)		ntrol		Ρġ					+					-	_					_							व व व	Work Or	www.xenco.com
			jnature)			1001	SiO2 Na S		-			-	-	-	-	-		F	TA	T			nAl	AFE:	00	-	ADaPT	TSU/TS	1	PRP rownfields	Work Order Comments	
-						240.177	Na Sr TI Sn U V										Sample	lab, if rec	T starts the				nAPP2123242125	ίū		Work	Dther:	Ľ]	с С	ments	^D age
			Date/Time			41014	Sn U V Zn					Discrete	Discrete	Discrete	Discrete	Discrete	Sample Comments	lab, if received by 4:30pm	TAT starts the day recevied by the				42125			Work Order Notes	er:	Vel IV	1	uperfund		_1 of
			ime			. 19	/ Zn										ents	30pm	ed by the							tes]	nd		



Chain Ĵ 2) 2 **13** 14

	0120400				Dill to a second	-					Dill for white		Work Orde	Work Order Comments	
Project Manager:	Kalei Jennings				BIII 10; (if different)	1					T	11			
Company Name:	WSP USA				Company Name:	ne: WSP	dS				Progr		PRP Brownfields	vnfieldsRC	
Address:	3300 North A Street Bldg 1, Unt 222	reet Bld	g 1, Unt 22	2	Address:	33	3300 North A Street Bldg 1, Unit 222	A Street	Bldg 1, L	nit 222	St	*			
City, State ZIP:	Midiand, Texas 79705	G0767			City, Slate ZIP	4	Midland, Texas 79705	xas 7970	10		Hepor	Reponing:Level 11 1			
Phone:	817-683-2503			Email:	Email: kalei.jennings@wsp.com, payton.benner@wsp.com	s@wsp.	com, pay	ton.ben	ner@ws	p.com	Delive	Deliverables: EDD	ADaPT	PT Dther:	
Project Name:	EVGSAU 2801-002	202		T	Turn Around					ANALYSIS REQUEST	REQUEST			Work (Work Order Notes
Project Number:	31	31402909.19	19	Routine	ine 🕅				1					ö	
P.O. Number:				Rush:										AFE:	
ne:	Payton Benner			Due	Due Date:					-	_	_	_	nAPP2123242125	2125
SAMPLE RECEIPT		Temp Blank:	Ves No	Wet Ice: Yes	Ves No										
Temperature (°C):	2.2	20		Thermometer ID	Q	iners		(0							
Received Intact:	()	No		INW				300		890-13	890-1331 Chain of Custody	stody			
Cooler Custody Seals.	App 165		Total	Total Containers	0			A93		-	-	-	-	I AI starts the lab, if rece	IAI starts the day received by the lab, if received by 4:30pm
Cample Custory Jeans.		11 2	Date	Time	Danth	mber	A93) H 	loride (Sample	Sample Comments
			Sampled	Sampled	i.	+		чо >	-						Discrete
SS01			9/29/2021	11:01	0.5	+	+	×	+	-					201010
SS02		s	9/29/2021	10:13	0.5'	-	×	×	+						Discrete
SS03		S	9/29/2021	10:08	0.5'	-	××	×	+			_			Discrete
SS04		S	9/29/2021	10:04	0.5'	-	×	×					_		Discrete
SS05		s	9/29/2021	10:05	0.5'	F	××	×							Discrete
						T	+		+						
105										_					
Total 200.7 / 6010	010 200.8 / 6020:	20:	8	8RCRA 13F	13PPM Texas 1			a Be B	Cd Ca	Cr Co Cu	Fe Pb Mg N	ΪŻ	Se Ag SiO2	Ra Ra	u V Zn
Circle Method(Circle Method(s) and Metal(s) to be analyzed	o be an	alyzed	TCLP / SP	TCLP / SPLP 6010: BRCRA	CRA Sb	As Ba	As Ba Be Cd Cr Co	с С	Cu Pb Mn	Cu Pb Mn Mo Ni Se A	Ag TI U		1631 / 245.1 / 74	/ 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 ferms 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 negoliated.	ocument and relinquis iable only for the cost rge of \$75.00 will be a	shment of of sample pplied to e	samples consti s and shall not ach project and	itutes a valid p assume any r d a charge of S	urchase order fron isponsibility for ar 5 for each sample	n client cor ly losses o submitted	pany to Xe expenses o Xenco, b	nco, its aff incurred b it not analy	listes and the clien zed. Thes	subcontractors. if such losses ar terms will be er	It assigns standar e due to circumsta iforced unless prev	d terms and conditi nces beyond the co iously negotiated.	ons ntrol		
Relinquished by: (Signature)	: (Signature)		Received	Received by: (Signature)	ure)	0	Date/Time		Relin	Relinquished by: (Signature)	Signature)	Receive	Received by: (Signature)	ture)	Date/Time
Ju perm	120	Z	les Cel	8		9-29-211415	214	3							
								4 4							
5								Þ							

Page 45 of 57

				the second second	in the second second	1							
Light Indiader.	Kalei Jennings		1		Bill to: (il different)	0						Work Order Comments	nments
	WSP USA				Company Name:	12	WSP			Prog	ram: UST/PST	Program: UST/PST DRP Drownfields C	ds Chc Upperfund
	3300 North A Street Bldg 1, Unit 222	st Bldg	1, Unit 22	2	Address:	8	00 North	A Street E	3300 North A Street Bldg 1, Unit 222		State of Project:		t I
e ZIP:	Midland, Texas 79705	705			City, State ZIP		dland, Te	Midland, Texas 79705		Dday	Reporting:Level II		P
	817-683-2503			Email:	Email: kalei jenning:	s@wsp.	com, pay	ton.benr	s@wsp.com, payton.benner@wsp.com		Deliverables: EDD	ADAPT [Other:
Project Name: E	EVGSAU 2801-002	0		4	Turn Around			2	AP	ANALYSIS REQUEST			Work Order Notes
E.	31402	31402909.19	5	Routine Rush:	ine X								CC: AFE:
me:	Payton Benner			Due	Due Date:					_	-	2	nAPP2123242125
SAMPLE RECEIPT	1.5.1		Yes No	Wet Ice:	Ves No		_	_					
Temperature (°C):	2.2	0	F	Thermometer ID	0	iners	((0					
Received Intact:	COD B	6		NM-20	10			300		890-1331 Chain of Custody	ustody		
Cooler Custody Seals:	Vac No	AIN AIN	Lotol	Total Containant				Aq3		-	-		TAT starts the day recevied by the lab. if received by 4:30pm
Sample Custody Sears: 1 1 Sample Identification	cation		Date	Time	Depth	umber	A93) H9 93) X3T	hloride (Sample Comments
SS01	S	6	9/29/2021	10:11	0.5'		1123	0 ×					Discrete
SS02		16	9/29/2021	10:13	0.5'	-		×					Discrete
SSO3		16	9/29/2021	10:08	0.5'	-	×	×					Discrete
SS04		6	9/29/2021	10:04	0.5'	1	×	×					Discrete
SS05	S	6	9/29/2021	10:05	0.5'	÷	×	×					Discrete
		+	\top										
Total 200.7 / 6010 Circle Method(s) a	otal 200.7 / 6010 200.8 / 6020: Circle Method(s) and Metal(s) to be analyzed	0: De analy	8F /zed	8RCRA 13F TCLP / SP	TCLP / SPLP 6010: BRCRA	1 AI Sb CRA Sb	Sb As Ba Sb As Ba	Ba Be B Ba Be Cd	B Cd Ca Cr Cd Cr Co Cu	Cr Co Cu Fe Pb Mg Mn Cu Pb Mn Mo Ni Se Ag	Mn Mo Ni K Ag Ti U	Ag SiO2 Na 1631	Sr TI Sn U V Zn /245.1/7470 /7471 : Hg
ce: Signature of this do srvice. Xenco will be lia arco. A minimum charg	cument and relinquishmu ble only for the cost of s. ye of \$75.00 will be applie	nent of sa samples a ied to eac	mples constituent and shall not	itutes a valid p assume any ru ta charge of \$:	urchase order from sponsibility for an 5 for each sample	n client cor y losses o submitted	apany to Xe expenses to Xenco, b	nco, its affi incurred by it not analy.	iates and sul the client if s ted. These te	Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its attilitates 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 X enco, but not analyzed. These terms will be enforced unless previously negotiated.	ard terms and cond tances beyond the eviously negotiated	litions control	
Relinquished by: (Signature)	(Signature)		Received I	Received by: (Signature)	ure)		Date/Time		Relinqui	Relinquished by: (Signature)	Receiv	Received by: (Signature)	Date/Time
pi pern	mer (See.	3	2		02-0	9-29-21141	$\overline{\mathcal{O}}$					
								9					

Received by OCD: 11/19/2021 1:11:01 PM

Page 46 of 57

Client Information (Sub Contract Lab)	Sampler Kramer Jessica			Lab PM. Kramer	M.			Carrier Tracking No(s)	king No(s)		COC No:	
Client Contact: Shipping/Receiving	Phone.			E-Mail jessio	E-Mail lessica.kramer@eurofinset.com	Deurofi	nset com	State of Origin	igin Bin		Page Page 1 of 1	
Company Eurofins Xenca					Accreditations Required (See note) NELAP - Louisiana, NELAP	s Require	Accreditations Required (See note); NELAP - Louisiana, NELAP - Texas	_ L			Job # 890-1331-1	
Address. 1211 W Florida Ave	Due Date Requested 10/5/2021	đ			ā			vsis Requested			Preservation Codes	88
City Midland	TAT Requested (days)	tys)									A HCL B NaOH	State 1997
State Zip TX 79701								_		. Min		P Na204S
Phone: 432-704-5440(Tel)	PO#				124		-					R Na2S203 S - H2SO4
Email	WO#				0)	hlorid	_		_		H Ascorbic Acid	T TSP Dodecahydr U Acetone
Project Name: EVGSA112801_002	Project #				or N	_				iners		W pH 4-5
Site	SSOW#) (Ye		CBIE			1.541.4		
			Sample	Matrix	MS/MS		orp_Ca			nber of		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Type (C=comp, G=grab)	(W=water S=solid, C=wasteloli, BT=Tissue, A=Air)	Field Fill Perform 8016MOD	300_ORG	8021B/60			Total Nu	Special Inc	structions/Note
	\mathbb{N}	X	où l	Preservation Code:	X	-				X		apoint monorionality (1010)
SS01 (890-1331-1)	9/29/21	10 11 Mountain		Solid	×	×	×			4		
SS02 (890-1331-2)	9/29/21	10 13 Mountain		Solid	×	×	×			<u>e</u>		
SS03 (890-1331-3)	9/29/21	10 08 Mountain		Solid	×	×	×			à.)		
SS04 (890-1331-4)	9/29/21	10 04 Mountain		Solid	×	×	×			4		
SS05 (890-1331-5)	9/29/21	10 05 Mountain		Solid	×	×	×			-		
					-					-		
Note: Since laboratory accreditations are subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC aboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Xenco LLC.	LLC places the ownership atrix being analyzed the si um the signed Chain of Cu	of method ana imples must be stody attesting	lyte & accredita shipped back to said complic	ation complianc to the Eurofins ance to Eurofin	xenco LLC la Xenco LLC la	boratory	laboratories This s or other instructions	will be provided A	forwarded unit	der chain-of-cu accreditation	status should be brou	bry does not currently aght to Eurofins Xence
Possible Hazard Identification Unconfirmed					Sampl	e Dispo Return 1	Sample Disposal (A fee may be assessed if samples are retained longer	be assessed if san	if samples	are retaine	tained longer than 1	than 1 month)
Deliverable Requested 1 II III, IV Other (specify)	Primary Deliverable Rank	able Rank 2			Specia	Instruc		Requirements				monus
Empty Kit Relinquished by		Date			Time.	-	2	Metho	Method of Shipment:	ų		
Relinquished by (Ive WHA 9.24.21	Date/Time			Company	Re	eive by:	s lal	100	S-b	9-30-21		Company
Relinquished by	Date/Time.			Company	Rec	Received by:	5		Date/Time	ne		Company
Relinquished by	Date/Time:			Company	Rec	Received by:			Date/Time-	ne.		Company
Custody Seals Intact. Custody Seal No ∆ Yes ∆ No					Coo	Cooler Temp	actione S. (s) and Su	and Other Remarks	-			

10/6/2021

Page 47 of 57

Eurofins Xenco, Carlsbad 1089 N Canal St

13



eurofins



14

Job Number: 890-1331-1 SDG Number: 31402909.19

List Source: Eurofins Xenco, Carlsbad

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 1331 List Number: 1 Creator: Clifton, Cloe

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

N/A

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

14

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 1331 List Number: 2 Creator: Copeland, Tatiana

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2 / 2.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	

True

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

Job Number: 890-1331-1 SDG Number: 31402909.19

List Source: Eurofins Xenco, Midland

List Creation: 09/30/21 11:05 AM

Received by OCD: 11/19/2021 1:11:01 PM

Released to Imaging: 12/21/2021 10:29:19 AM

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

)

Page 51 of 57

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	OGRID
Contact Name	Contact Telephone
Contact email	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Longitude

Latitude			

Site Name	Site Type
Date Release Discovered	API# (if applicable)

(NAD 83 in decimal degrees to 5 decimal places)

Unit Letter	Section	Township	Range	County

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)	Volume Recovered (bbls)
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	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		

Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

If YES, for what reason(s) does the responsible party consider this a major release?
ice 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:	Title:
Signature: Kelf	Date:
email:	Telephone:
OCD Only	
Received by: Ramona Marcus	Date: 11/19/2021

L48 S	pill V	olume	Estimate	Form
-------	--------	-------	----------	------

		the second se			ume Esumate Form				
Received	by OCD		021 1:11	:01 PM		NA	PP212324	12125 <i>Page</i>	53 of 57 —
	Release Disco	very Date & Time:	12:04P.M. 7/23/21						
		Release Type:	Oil Mixture						
Provide	any known detai	is about the event	1/4 tubing PSI gau	ge busted causing a leak of producti	on of oil and water to spill. MSO isolate	d leak by closing 1/4	to valve 5 bbis of fluid	was recovered by vac. T	ruck
				Spill Calculation -	Subsurface Spill - Rectangle				
V	las the release of	on pad or off-pad?	-		On Pad - 10.5%, Off Pad - 15.12%	soil spilled-fluid satu	ration factor		
Has it rained at le	ast a half inch in	the last 24 hours?		Yes, On P	ad - 8%, Off Pad - 13.57% soil spilled-1	fluid saturation factor	if No, use factors abo	ve.	
Convert Irregular shape o a series of rectangles	Length (fL)	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	47.0	24.0	1.50	10.50%	25.098	2.635	12.00%	0.316	2.319
Rectangle B					0.000	0.000	0.00%	0.000	0.000
Rectangle G					0.000	0.000	0.00%	0.000	0.000
Rectangle D					0.000	0.000	0.00%	0.000	0.000
Rectangle E					0.000	0.000	0.00%	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 0 0 1 0 1 7 0	0.000	0.000		0.000	0.000
Keie ased	to Imag	ıng: 12/2	1/2021 1	0:29:19 AM	0.000	0.000		0.000	0.000
Rectangle J	0	0			0.000	0.000		0.000	0.000
					Total Volume Release:	2.635		0.316	2,319

Co

Incident ID

District RP Facility ID Application ID

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>51-100</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🛛 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🛛 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🛛 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🛛 No
Did the release impact areas not on an exploration, development, production, or storage site?	🗌 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 ¹/₂-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.

Leceiven by OCD. 11/19/2021	1 1:11:01 PM State of New Mexico			Page 55 of 5
Page 4 Oil Conservation Di			Incident ID District RP	nAPP2123242125
			Facility ID	
			Application ID	
regulations all operators are req public health or the environmen failed to adequately investigate addition, OCD acceptance of a and/or regulations. Printed Name: <u>Kelsy Wagg</u>	ation given above is true and complete to uired to report and/or file certain release it. The acceptance of a C-141 report by and remediate contamination that pose C-141 report does not relieve the operat gaman	e notifications and perform the OCD does not relieve a threat to groundwater, s or of responsibility for co Title: <u>Environm</u>	m corrective actions for rel e the operator of liability sl urface water, human health ompliance with any other for ental Coordinator	eases which may endanger nould their operations have n or the environment. In
email: <u>kelsy.waggaman@</u>	conocophillips.com	Telephone: <u>(505</u>) 577-9071	
OCD Only				

Page 6

Incident ID	nAPP2123242125
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.

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office 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 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. 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: Kelsy Waggaman	Title: Environmental Coordinator	
Signature:	Date: <u>11/19/2021</u>	
email: kelsy.waggaman@conocophillips.com	Telephone: (505) 577-9071	
OCD Only		
Received by: <u>Ramona Marcus</u>	Date: <u>11/19/2021</u>	
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:	Date:	
Printed Name:	Title:	

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

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:
CONOCOPHILLIPS COMPANY	217817
600 W. Illinois Avenue	Action Number:
Midland, TX 79701	62829
	Action Type:
	[C-141] Release Corrective Action (C-141)
CONDITIONS	

Created By Condition chensley None

CONDITIONS

Page 57 of 57

Action 62829

Condition Date 12/21/2021