WSP USA

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

November 30, 2021

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

RE: Closure Request Eider 23 Federal Incident Number NAPP2128531481 Lea County, New Mexico

To Whom It May Concern:

WSP USA Inc. (WSP) on behalf of COG Operating, LLC, (COG) presents the following Closure Request detailing site assessment and soil sampling activities at the Eider 23 Federal (Site) in Unit B, Section 23, Township 24 South, Range 32 East, in Lea County, New Mexico (Figure 1). The purpose of the site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of produced water at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, COG is submitting this Closure Request and requesting no further action (NFA) for Incident Number NAPP2128531481.

RELEASE BACKGROUND

On September 1, 2021, a lease operator turned a well into a test separator and failed to notice that a ball valve was missing from under the water dump. Approximately 8.2 barrels (bbls) of produced water were released into the lined containment. A vacuum truck was dispatched to remove free-standing fluids. COG 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 nAPP2128531481.

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 less than 50 feet below ground surface (bgs) based on the nearest groundwater well data. The nearest permitted groundwater well with depth to groundwater data is the United States Geological Survey (USGS) well 321312103395601, located approximately 1.7 miles northwest of the Site. The groundwater well was most recently measured in December 2010 and has a reported depth to groundwater of 34 feet bgs and a total



District I Page 2

depth of 60 feet bgs. All wells used for depth to groundwater determination are depicted on Figure 1. The referenced well records are included in Attachment 1.

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

CLOSURE CRITERIA

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

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH): 100 mg/kg
- Chloride: 600 mg/kg

LINER INSPECTION

WSP personnel conducted a liner integrity inspection to confirm that the liner was operating as designed. The liner was visually inspected and no rips, holes, or damage to the liner was observed. The liner was determined to be in good condition. WSP observed potential discolored soil on the well pad near the containment. As a precaution, WSP collected three assessment soil samples (SS01 through SS03) from a depth of 0.5 feet bgs in the release area outside of the lined containment to assess for the presence or absence of impacted soil. Soil from the 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 potentially stained or wet area and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Photographic documentation was conducted during the Site visit. A photographic log is included in Attachment 2.

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

vsp

District I Page 3

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

SOIL ANALYTICAL RESULTS

Laboratory analytical results for soil samples SS01 through SS03 indicated that no benzene, BTEX, or TPH concentrations were detected in the precautionary samples. Chloride concentrations were compliant with the most stringent of NMOCD Table 1 Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical report is included as Attachment 3.

CLOSURE REQUEST

The produced water release occurred within lined containment; the liner was inspected and determined to be in good condition. Soil samples SS01 through SS03 were collected within an area that appeared discolored outside of the lined containment as a precautionary measure to assess for the presence or absence of soil impacts. Laboratory analytical results for the soil samples indicated that no benzene, BTEX, or TPH concentrations were detected, and chloride concentrations were compliant with the most stringent Closure Criteria. The area did not appear to be impacted by the release.

Based on soil sample laboratory analytical results compliant with the most stringent Table 1 Closure Criteria, no impacted soil was identified, and no excavation was warranted as a result of the release. As such, COG respectfully requests no further action for Incident Number nAPP2128531481. If you have any questions or comments, please do not hesitate to contact Ms. Ashley Ager at (970) 385-1096. The final Form C-141 is included in Attachment 4.

Sincerely,

WSP USA Inc.

Kaeei Jannings

Kalei Jennings Associate Consultant

Ashley L. ager

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

cc: Kelsy Waggaman, COG

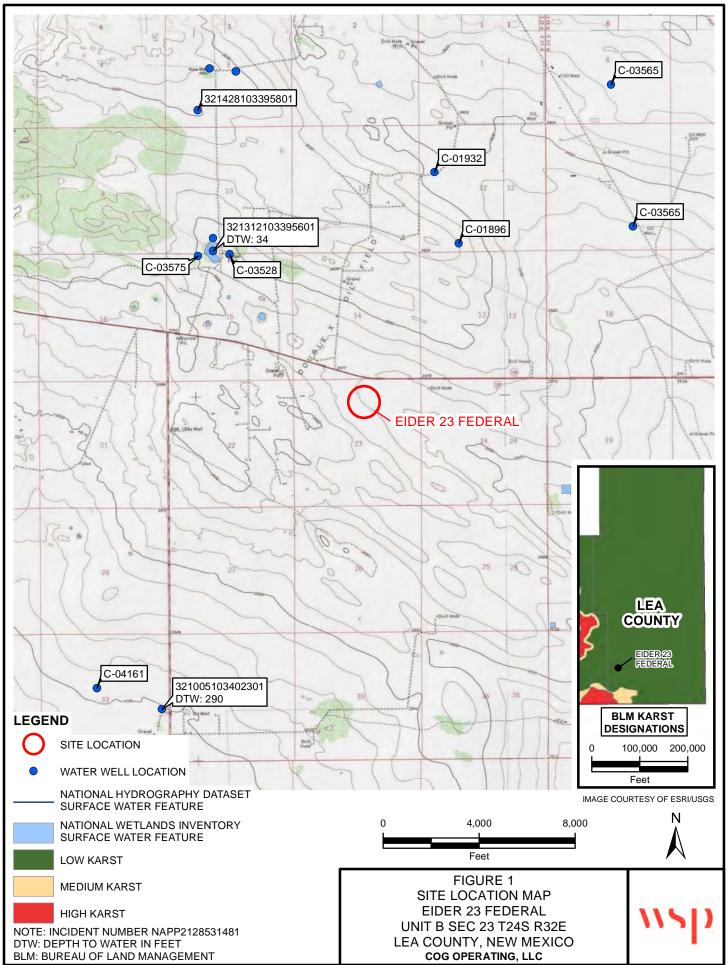
Attachments:



District I Page 4

Figure 1Site Location MapFigure 2Soil Sample LocationsTable 1Soil Analytical ResultsAttachment 1Referenced Well RecordsAttachment 2Photographic LogAttachment 3Laboratory Analytical ReportsAttachment 4Final C-141

FIGURE





TABLE

Table 1

Soil Analytical Results Eider 23 Federal Incident Number NAPP2128531481 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 Clo	osure Criteria (NM	AC 19.15.29)	10	50	NE	NE	NE	NE	100	600
Assessment Soil Sam	ples									
SS01	10/19/2021	0.5	< 0.00198	< 0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	18.5
SS02	10/19/2021	0.5	< 0.00200	< 0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	362
SS03	10/19/2021	0.5	0.00237	< 0.00402	<49.9	<49.9	<49.9	<49.9	<49.9	55.9

Notes:

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

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

NE - Not Established

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

				Ne			ico Offica er Rig				U	r
	WR F	ile Num	nber: (C 0352	8		Subbasin:	С	Cross Re	eference:	-	
	Prima	ry Purj	pose: S	STK	72-12	-1 LIV	ESTOCK WATE	RING				
<u>get image list</u>	Prima	ry Stat	us: I	PMT	PERM	1IT						
	Total A	Acres:					Subfile:	-			Header:	_
	Total]	Diversio	on: 3	3			Cause/Case:	: -				
		Owr	ner: 1	NGL W	ATER S	SOLU	TIONS PERMIA	N				
		Conta	act: I	R CHA	RLES V	VILK	IN					
Document	x on File	9			Sta	tus			From/			
	Trn #	Doc	File/A	et	1	2	Transaction Desc		То	Acres	Diversion	Consumptive
images	<u>633171</u>	COWN	<u>F 2018</u>	<u>-09-17</u>	CHG	PRC	C 03528		Т		0	
et images	<u>491386</u>	72121	2011-12	<u>-14</u>	PMT	LOG	C 03528		Т		3	
Current P	oints of	Diversi	on				0		TM in motoro)			
					Q	2	(N	AD83 U	TM in meters)			
	Number		Well Ta	ag Soi	irce 64	40160	04Sec Tws Rng	2	X Y	Other	Location De	sc

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

10/19/21 7:49 AM

WATER RIGHT SUMMARY



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

			× •	(quarters are 1=NW 2=NE 3=SW 4=SE)					
			(quarters	(quarters are smallest to largest)			(NAD83 U	TM in meters)	
Well Tag	POD	Number	Q64 Q1	6 Q4 S	ec Tws	Rng	Χ	Y	
	C 0.	3528 POD1	1 1	2	15 24S	32E	626040	3566129 🌍	
× Driller Lic	ense:	1682	Driller Co	ompany	HL	NGRY H	ORSE, LL	C.	
Driller Na	me:	NORRIS, JOHN	D. (LD)						
Drill Start	Date:	02/20/2012	Drill Fini	sh Date	: 0	3/12/2012	2 Plu	ıg Date:	
Log File D	ate:	04/30/2012	PCW Rev	PCW Rcv Date:			So	Source:	
Pump Typ	e:	SUBMER	Pipe Disc	Pipe Discharge Size:				Estimated Yield:	
Casing Siz	Casing Size: 6.38		Depth We	Depth Well:			De	pth Water:	
X	Wate	r Bearing Strati	fications:	Тор	Botton	Descri	ption		
				133	152	Sandsto	one/Gravel	Conglomerate	
х		Casing Per	forations:	Тор	Botton	l			
				133	152				

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.

10/19/21 7:49 AM

POINT OF DIVERSION SUMMARY



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Site Information Geographic Area: United States

~

GO

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.
- Full News 🔊

USGS 321312103395601 24S.32E.10.344333

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

Well Site

DESCRIPTION:

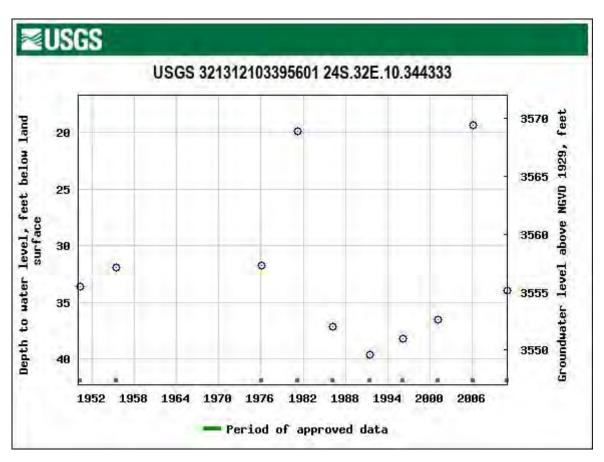
Latitude 32°13'30.4", Longitude 103°39'52.7" NAD83 Lea County, New Mexico , Hydrologic Unit 13070007 Well depth: 60 feet Land surface altitude: 3,589.00 feet above NGVD29. Well completed in "Other aquifers" (N99990THER) national aquifer. Well completed in "Alluvium, Bolson Deposits and Other Surface Deposits" (110AVMB) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1950-04-13	2010-12-16	10
Revisions	Unavailable ((timeseries:0		
Additional Data Sources	Begin Date	End Date	Count
Annual Water-Data Report (pdf) **offsite**	2011	2011	1

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>



wsp

PHOTOGRAPHIC LOG					
COG OPERATING, LLC	Eider 23 Federal	NAPP2128531481			
	Lea County, New Mexico				
		1			

Photo No.	Date	
1	October 19, 2021	
Photo taken by W	SP personal during	
	ty inspection.	

Photo No. Date	
2 October 19, 2021	
Photo taken by WSP personal during	
liner integrity check.	

.

wsp

	PHOTOGRAPHIC LOG	
COG OPERATING, LLC	Eider 23 Federal	NAPP2128531481
	Lea County, New Mexico	

Photo No.	Date	
3	October 19, 2021	
Photo taken by W	/SP personal during	
liner inte	grity check.	
		1

Photo No.	Date	
4	October 19, 2021	
Photo taken by W	VSP personal during	
	grity check.	

wsp

			PHOTOGRAPHIC LOG	
COG OPERAT	ING, LLC		Eider 23 Federal	NAPP2128531481
			Lea County, New Mexico	
	Т			
Photo No.	Date		A	ł
5	October 19	, 2021		
Photo of potent	ial stained are	ea on	The second in	The last
the w	ell pad.			
				and the second
			and the second second second	
				Contraction of the
				and the second
				and the second se
			and the second second	
			the second s	
			and the second se	

•

🔅 eurofins

Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1451-1

Laboratory Sample Delivery Group: 31402909.22 Client Project/Site: Eider 23 Federal

For:

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

Attn: Kalei Jennings

RAMER

Authorized for release by: 10/28/2021 3:12:46 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.

LINKS **Review your project** results through Total Access **Have a Question?** Ask-The Expert

Visit us at: <u>www.eurofinsus.com/Env</u> Released to Imaging: 12/27/2021 1:17:49 PM

.

Page 21 of 49

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Client Sample Results	5
Surrogate Summary	8
QC Sample Results	9
QC Association Summary	13
Lab Chronicle	15
Certification Summary	16
Method Summary	17
Sample Summary	18
Chain of Custody	19
-	21

3

	Definitione/Glassony	
	Definitions/Glossary	
Client: WSP U		Job ID: 890-1451-1
Project/Site: E	ider 23 Federal	SDG: 31402909.22
Qualifiers		
GC VOA		
Qualifier	Qualifier Description	
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, cont	rol limits are not
F 4	applicable.	
F1	MS and/or MSD recovery exceeds control limits.	
F2 S1-	MS/MSD RPD exceeds control limits	
S1- S1+	Surrogate recovery exceeds control limits, low biased. Surrogate recovery exceeds control limits, high biased.	
U	Indicates the analyte was analyzed for but not detected.	
GC Semi VOA		
Qualifier	Qualifier Description	
S1+ U	Surrogate recovery exceeds control limits, high biased.	
	Indicates the analyte was analyzed for but not detected.	
HPLC/IC		
Qualifier	Qualifier Description	
U	Indicates the analyte was analyzed for but not detected.	
Glossary		
Abbreviation	These commonly used abbreviations may or may not be present in this report.	
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	
CNF	Contains No Free Liquid	
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	

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

LOD Limit of Detection (DoD/DOE)

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

MDA Minimum Detectable Activity (Radiochemistry)

MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL

ML Minimum Level (Dioxin) MPN Most Probable Number

MQL Method Quantitation Limit

NC Not Calculated

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

NEG Negative / Absent POS Positive / Present

PQL Practical Quantitation Limit PRES

Presumptive QC **Quality Control**

RER Relative Error Ratio (Radiochemistry)

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

TNTC Too Numerous To Count

Eurofins Xenco, Carlsbad

Job ID: 890-1451-1 SDG: 31402909.22

Job ID: 890-1451-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-1451-1

Receipt

The samples were received on 10/19/2021 3:54 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-10011 and analytical batch 880-10332 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (890-1450-A-1-D). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

4

5

Job ID: 890-1451-1 SDG: 31402909.22

Client Sample ID: SS01

Date Collected: 10/19/21 11:00 Date Received: 10/19/21 15:54

Project/Site: Eider 23 Federal

Sample Depth: 0.5

Client: WSP USA Inc.

Lab Sample ID: 890-1451-1

Matrix: Solid

5

Method: 8021B - Volatile Organic Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	< 0.00198	U	0.00198	mg/Kg		10/20/21 14:16	10/24/21 22:17	
Toluene	<0.00198	U	0.00198	mg/Kg		10/20/21 14:16	10/24/21 22:17	
Ethylbenzene	<0.00198	U	0.00198	mg/Kg		10/20/21 14:16	10/24/21 22:17	
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		10/20/21 14:16	10/24/21 22:17	
o-Xylene	<0.00198	U	0.00198	mg/Kg		10/20/21 14:16	10/24/21 22:17	
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		10/20/21 14:16	10/24/21 22:17	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	107		70 - 130			10/20/21 14:16	10/24/21 22:17	
1,4-Difluorobenzene (Surr)	104		70 - 130			10/20/21 14:16	10/24/21 22:17	
Method: Total BTEX - Total BTEX	Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	< 0.00396	U	0.00396	mg/Kg			10/26/21 15:12	
Method: 8015 NM - Diesel Range	Organics (DR	O) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<50.0	U	50.0	mg/Kg			10/27/21 11:09	
Method: 8015B NM - Diesel Rang	e Organics (D	RO) (GC)						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		10/27/21 13:40	10/27/21 23:31	
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		10/27/21 13:40	10/27/21 23:31	
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		10/27/21 13:40	10/27/21 23:31	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fa
1-Chlorooctane	101		70 - 130			10/27/21 13:40	10/27/21 23:31	
o-Terphenyl	112		70 - 130			10/27/21 13:40	10/27/21 23:31	
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Chloride	18.5		4.95	mg/Kg			10/25/21 22:45	
lient Sample ID: SS02						Lab San	nple ID: 890-	1451-2
ate Collected: 10/19/21 11:03							Matri	ix: Soli
ate Received: 10/19/21 15:54								
ample Depth: 0.5								
Method: 8021B - Volatile Organic	: Compounds (GC)						
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200	mg/Kg		10/20/21 14:16	10/24/21 22:38	
Toluene	<0.00200	U	0.00200	mg/Kg		10/20/21 14:16	10/24/21 22:38	
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		10/20/21 14:16	10/24/21 22:38	
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		10/20/21 14:16	10/24/21 22:38	
m-Xylene & p-Xylene o-Xylene	<0.00400 <0.00200		0.00400 0.00200	mg/Kg mg/Kg		10/20/21 14:16 10/20/21 14:16	10/24/21 22:38 10/24/21 22:38	

Xylenes, Total <0.00400 U 0.00400 mg/Kg 10/20/21 14:16 10/24/21 22:38 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 101 70 - 130 10/20/21 14:16 10/24/21 22:38

Eurofins Xenco, Carlsbad

1

1

Client Sample Results

Job ID: 890-1451-1 SDG: 31402909.22

Lab Sample ID: 890-1451-2

Matrix: Solid

5

Client Sample ID: SS02 Date Collected: 10/19/21 11:03 Date Received: 10/19/21 15:54

Project/Site: Eider 23 Federal

Sample Depth: 0.5

Client: WSP USA Inc.

%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
105		70 - 130			10/20/21 14:16	10/24/21 22:38	1
Calculation							
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<0.00400	U	0.00400	mg/Kg			10/26/21 15:12	1
Organics (DR	0) (GC)						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
<49.9	U	49.9	mg/Kg			10/27/21 11:09	1
e Organics (DI	RO) (GC)						
		RL	Unit	D	Prepared	Analyzed	Dil Fac
<49.9	U	49.9	mg/Kg		10/27/21 13:40	10/27/21 23:51	1
<49.9	U	49.9	mg/Kg		10/27/21 13:40	10/27/21 23:51	1
<49.9	U	49.9	mg/Kg		10/27/21 13:40	10/27/21 23:51	1
%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
98		70 - 130			10/27/21 13:40	10/27/21 23:51	1
108		70 - 130			10/27/21 13:40	10/27/21 23:51	1
matography -	Soluble						
Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
362		25.2	mg/Kg			10/25/21 22:51	5
					Lab San	nple ID: 890-	1451-3
						Matri	x: Solid
	Image: 105 Calculation Result <0.00400	Calculation Result Qualifier <0.00400 U Organics (DRO) (GC) Result Qualifier <49.9 U e Organics (DRO) (GC) Result Qualifier <49.9 U <49.9 U <49.9 U <49.9 U <49.9 U <98 U <98 108 omatography - Soluble Result Qualifier	ID5 70 - 130 Calculation Result Qualifier RL <0.00400	Image: Non-informatography - Soluble Qualifier RL Unit 105 70 - 130 Image: Non-informatography - Soluble Image: Non-informatography - Soluble Image: Non-informatography - Soluble Image: Non-informatography - Soluble 105 70 - 130 Image: Non-informatography - Soluble Image: Non-informatography - Soluble Image: Non-informatography - Soluble Image: Non-informatography - Soluble	Image: Non-state index and state index	105 $70 - 130$ $10/20/21$ 14:16Calculation \mathbb{Result} Qualifier \mathbb{RL} Unit \mathbb{D} Prepared <0.00400 \overline{U} 0.00400 $\overline{mg/Kg}$ \mathbb{D} PreparedOrganics (DRO) (GC) \mathbb{Result} Qualifier \mathbb{RL} Unit \mathbb{D} Prepared <49.9 \overline{U} 49.9 $\overline{mg/Kg}$ \mathbb{D} Prepared <49.9 \overline{U} 49.9 $\overline{mg/Kg}$ \mathbb{D} Prepared <49.9 \overline{U} 49.9 mg/Kg $10/27/21$ 13:40 <6000 \overline{C} \overline{C} \overline{C} \overline{C} <70000 \overline{C} \overline{C} \overline{C} \overline{C} <700000 \overline{C} \overline{C} <td>105 70.130 10/20/21 14:16 10/24/21 22:38 Calculation Result Qualifier RL Unit D Prepared Analyzed <0.00400</td> U 0.00400 Unit D Prepared Analyzed Organics (DRO) (GC) Result Qualifier RL Unit D Prepared Analyzed <<49.9	105 70.130 10/20/21 14:16 10/24/21 22:38 Calculation Result Qualifier RL Unit D Prepared Analyzed <0.00400

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00237		0.00201	mg/Kg		10/20/21 14:16	10/24/21 22:59	1
Toluene	<0.00201	U	0.00201	mg/Kg		10/20/21 14:16	10/24/21 22:59	1
Ethylbenzene	<0.00201	U	0.00201	mg/Kg		10/20/21 14:16	10/24/21 22:59	1
m-Xylene & p-Xylene	<0.00402	U	0.00402	mg/Kg		10/20/21 14:16	10/24/21 22:59	1
o-Xylene	<0.00201	U	0.00201	mg/Kg		10/20/21 14:16	10/24/21 22:59	1
Xylenes, Total	<0.00402	U	0.00402	mg/Kg		10/20/21 14:16	10/24/21 22:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130			10/20/21 14:16	10/24/21 22:59	1
1,4-Difluorobenzene (Surr)	115		70 - 130			10/20/21 14:16	10/24/21 22:59	1
- Method: Total BTEX - Total BT	EX Calculation							
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			10/26/21 15:12	1
Method: 8015 NM - Diesel Ran	ige Organics (DR	O) (GC)						
Amaluta	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result		••=		-		/	

Eurofins Xenco, Carlsbad

5

Client Sample Results

Job ID: 890-1451-1 SDG: 31402909.22

Client Sample ID: SS03

Project/Site: Eider 23 Federal

Client: WSP USA Inc.

Date Collected: 10/19/21 11:06

Lab Sample ID: 890-1451-3 Matrix: Solid

Date Received: 10/19/21 15:54 Sample Depth: 0.5

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		10/27/21 13:40	10/28/21 00:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		10/27/21 13:40	10/28/21 00:12	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		10/27/21 13:40	10/28/21 00:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			10/27/21 13:40	10/28/21 00:12	1
o-Terphenyl	119		70 - 130			10/27/21 13:40	10/28/21 00:12	1
Method: 300.0 - Anions, Ion Chro	omatography -	Soluble						
	Decult	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Analyte	Result	Quannel	IXE	- Inc	-	i i oparca	7.11.01/200	Birrao

Client: WSP USA Inc. Project/Site: Eider 23 Federal

Job ID: 890-1451-1 SDG: 31402909.22

Prep Type: Total/NA

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

				Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)		5
880-7292-A-1-B MS	Matrix Spike	8 S1-	127		
880-7292-A-1-C MSD	Matrix Spike Duplicate	21 S1-	0.006 S1-		6
890-1451-1	SS01	107	104		
890-1451-2	SS02	101	105		
890-1451-3	SS03	151 S1+	115		
LCS 880-10011/1-A	Lab Control Sample	90	105		8
LCSD 880-10011/2-A	Lab Control Sample Dup	93	101		
MB 880-10009/5-A	Method Blank	119	99		Q
MB 880-10011/5-A	Method Blank	107	107		3
Surrogate Legend					

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (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)	
450-A-1-E MS	Matrix Spike	111	113	
450-A-1-F MSD	Matrix Spike Duplicate	127	129	
1451-1	SS01	101	112	
451-2	SS02	98	108	
51-3	SS03	106	119	
80-10752/2-A	Lab Control Sample	87	94	
) 880-10752/3-A	Lab Control Sample Dup	87	92	
80-10752/1-A	Method Blank	124	143 S1+	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-10009/5-	Α								Client Sa	mple ID: Me	ethod	Blank
Matrix: Solid										Prep Ty	be: To	otal/NA
Analysis Batch: 10332										Prep B	atch:	10009
	МВ	MB										
Analyte	Result	Qualifier	RI	L	Unit		D	Р	repared	Analyzed		Dil Fac
Benzene	<0.00200	U	0.00200	5	mg/K	g	_	10/2	20/21 14:10	10/24/21 04:	18	1
Toluene	<0.00200	U	0.00200	D	mg/K	g		10/2	20/21 14:10	10/24/21 04:	18	1
Ethylbenzene	<0.00200	U	0.00200)	mg/K	g		10/2	20/21 14:10	10/24/21 04:	18	1
m-Xylene & p-Xylene	<0.00400	U	0.00400))	mg/K	q		10/2	20/21 14:10	10/24/21 04:	18	1
o-Xylene	<0.00200		0.00200		mg/K	-			20/21 14:10	10/24/21 04:		1
Xylenes, Total	<0.00400		0.00400		mg/K	-			20/21 14:10	10/24/21 04:		1
,,					5	5						
	MB											
Surrogate	%Recovery		Limits	_					repared	Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130						20/21 14:10	10/24/21 04		1
1,4-Difluorobenzene (Surr)	99)	70 - 130					10/2	20/21 14:10	10/24/21 04	:18	1
Lab Sample ID: MB 880-10011/5-	۵								Client Sa	mple ID: Me	othod	Blank
Matrix: Solid										Prep Ty		
Analysis Batch: 10332										Prep B		
Analysis Datch. 10002	МВ	МВ								Перь	aten.	10011
Analyte		Qualifier	RI		Unit		D	р	repared	Analyzed		Dil Fac
Benzene	<0.00200		0.00200		0mit mg/K	<u>a</u>	-		20/21 14:16	10/24/21 15:		1
Toluene	<0.00200		0.00200		mg/K	-			20/21 14:16	10/24/21 15:		1
	<0.00200		0.00200		-	-			20/21 14:16	10/24/21 15:		1
					mg/K							
m-Xylene & p-Xylene	< 0.00400		0.00400		mg/K	-			20/21 14:16	10/24/21 15:		1
o-Xylene	<0.00200		0.00200		mg/K	-			20/21 14:16	10/24/21 15:		1
Xylenes, Total	<0.00400	U	0.00400)	mg/K	g		10/2	20/21 14:16	10/24/21 15:	20	1
	MB	МВ										
Surrogate	%Recovery	Qualifier	Limits					P	repared	Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130	_				10/2	20/21 14:16	10/24/21 15	:20	1
1,4-Difluorobenzene (Surr)	107		70 - 130					10/2	20/21 14:16	10/24/21 15	:20	1
							_					
Lab Sample ID: LCS 880-10011/1	-A						C	lien	Sample	ID: Lab Con		
Matrix: Solid										Prep Ty		
Analysis Batch: 10332			•							Prep B	atcn:	10011
			Spike		LCS			_	~ -	%Rec.		
Analyte			Added		Qualifier	Unit		_ <u>D</u>	%Rec	Limits		
Benzene			0.100	0.1028		mg/Kg			103	70 - 130		
Toluene			0.100	0.07866		mg/Kg			79	70 - 130		
Ethylbenzene			0.100	0.07910		mg/Kg			79	70 - 130		
m-Xylene & p-Xylene			0.200	0.1485		mg/Kg			74	70 - 130		
o-Xylene			0.100	0.07658		mg/Kg			77	70 - 130		
	LCS LCS	S										
Surrogate	%Recovery Qua		Limits									
4-Bromofluorobenzene (Surr)	90		70 - 130									
1,4-Difluorobenzene (Surr)	105		70 - 130									
Lab Sample ID: LCSD 880-10011/	2-A					CI	ient	Sam	nple ID: L	ab Control S		
Matrix: Solid										Prep Ty		
Analysis Batch: 10332			•							Prep B	atch:	
			Spike		LCSD					%Rec.		RPD
Analyte			Added		Qualifier	Unit			%Rec	Limits	RPD	Limit
Benzene			0.100	0.08414		mg/Kg			84	70 - 130	20	35

5

Job ID: 890-1451-1

SDG: 31402909.22

Client: WSP USA Inc. Project/Site: Eider 23 Federal Job ID: 890-1451-1 SDG: 31402909.22

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

Lab Sample ID: LCSD 880-1	0011/2-A					Clie	nt Sam	ple ID:	Lab Contro		
Matrix: Solid Analysis Batch: 10332										ype: To Batch:	
Analysis Balch. 10332			Spike	LCSD	LCSD				%Rec.	Datch.	RPD
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Toluene			0.100	0.07026		mg/Kg		70	70 - 130	11	35
Ethylbenzene			0.100	0.07046		mg/Kg		70	70 - 130	12	35
m-Xylene & p-Xylene			0.200	0.1400		mg/Kg		70	70 - 130	6	35
o-Xylene			0.100	0.07068		mg/Kg		71	70 - 130	8	35
	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	93		70 _ 130								
1,4-Difluorobenzene (Surr)	101		70 - 130								
- Lab Sample ID: 880-7292-A-	-1-B MS							Client	Sample ID	: Matrix	Spike
Matrix: Solid									Prep 1	Type: To	tal/NA
Analysis Batch: 10332									Prep	Batch:	10011
-	Somala	Samala	Spike	ме	MC				% Bee		

	Sample	Sample	Spike	MS	MS				%Rec.	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.0580	F1	0.101	< 0.00202	U F1	mg/Kg		0	70 - 130	 _
Toluene	0.195	F1	0.101	0.02703	F1	mg/Kg		-166	70 - 130	
Ethylbenzene	0.714	E	0.101	0.006642	4	mg/Kg		-700	70 - 130	
m-Xylene & p-Xylene	0.138	F1	0.202	<0.00404	U F1	mg/Kg		-68	70 - 130	
o-Xylene	2.20	E	0.101	0.06402	4	mg/Kg		-2117	70 - 130	

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	8	S1-	70 - 130
1,4-Difluorobenzene (Surr)	127		70 - 130

Lab Sample ID: 880-7292-A-1-C MSD Matrix: Solid Analysis Batch: 10332

Analysis balch. 10352									Frep	Datch.	10011
	Sample	Sample	Spike	MSD	MSD				%Rec.		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0580	F1	0.0998	<0.00200	U F1	mg/Kg		-58	70 - 130	NC	35
Toluene	0.195	F1	0.0998	<0.00200	U F1 F2	mg/Kg		-194	70 - 130	180	35
Ethylbenzene	0.714	E	0.0998	0.05093	4 F2	mg/Kg		-664	70 - 130	154	35
m-Xylene & p-Xylene	0.138	F1	0.200	0.02850	F1 F2	mg/Kg		-55	70 - 130	183	35
o-Xylene	2.20	E	0.0998	0.1697	4 F2	mg/Kg		-2037	70 - 130	90	35
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	21	S1-	70 - 130								
1,4-Difluorobenzene (Surr)	0.006	S1-	70 _ 130								

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

Lab Sample ID: MB 880-10752/1-A Matrix: Solid Analysis Batch: 10661	MD	МВ				Client Sa	mple ID: Metho Prep Type: ⁻ Prep Batcl	Total/NA
Analyte		Qualifier	RL	Unit	D	Prepared	Analvzed	Dil Fac
Gasoline Range Organics	<50.0		50.0	mg/Kg		10/27/21 13:40	10/27/21 19:28	1
(GRO)-C6-C10								

Eurofins Xenco, Carlsbad

Prep Batch: 10011

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Client: WSP USA Inc. Project/Site: Eider 23 Federal

Job ID: 890-1451-1 SDG: 31402909.22

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

Aatrix: Solid												ype: To	otal/NA
Analysis Batch: 10661											Prep	Batch:	10752
	_	MB						_	_				
Analyte		50.0	Qualifier			Unit	<u> </u>	D		pared 21 13:40	Analyz 10/27/21		Dil Fac
Diesel Range Organics (Over C10-C28)	<	U.U	U	50.0		mg/K	y		10/27/2	21 13:40	10/27/21	19.20	1
Oll Range Organics (Over C28-C36)	<	50.0	U	50.0		mg/K	g		10/27/2	21 13:40	10/27/21	19:28	1
		ΜΒ	МВ										
Surrogate	%Reco	very	Qualifier	Limits					Prep	pared	Analyz	ed	Dil Fac
1-Chlorooctane		124		70 - 130				-	10/27/2	21 13:40	10/27/21	19:28	1
p-Terphenyl		143	S1+	70 - 130					10/27/2	21 13:40	10/27/21	19:28	1
Lab Sample ID: LCS 880-10752	2/2-A							СІ	lient S	ample	ID: Lab Co	ontrol S	ample
Matrix: Solid												ype: To	
Analysis Batch: 10661												Batch:	
				Spike	LCS	LCS					%Rec.		
Analyte				Added	Result	Qualifier	Unit		<u>D</u>	%Rec	Limits		
Gasoline Range Organics				1000	927.4		mg/Kg		_	93	70 - 130		
(GRO)-C6-C10 Diesel Range Organics (Over				1000	920.2		ma/Ka			92	70 - 130		
C10-C28)				1000	52U.Z		mg/Kg			52	10 - 130		
	LCS	LCS											
Surrogate	%Recovery		fier	Limits									
1-Chlorooctane	87			70 - 130									
p-Terphenyl	94			70 - 130									
Matrix: Solid											Pron T	vno: To	stal/NΔ
				Queilles	1.000	1.005					Prep	ype: To Batch:	10752
Analysis Batch: 10661				Spike		LCSD	Unit			% Boo	Prep %Rec.	Batch:	10752 RPD
Analysis Batch: 10661				Added	Result	LCSD Qualifier	Unit ma/Ka		<u>D</u>	%Rec	Prep %Rec. Limits	Batch:	10752 RPD Limit
Analysis Batch: 10661 Analyte Gasoline Range Organics				-			 		<u>D</u>	%Rec	Prep %Rec.	Batch:	10752 RPD
Analysis Batch: 10661 Analyte Gasoline Range Organics GRO)-C6-C10				Added	Result				<u>D</u>		Prep %Rec. Limits	Batch:	10752 RPD Limit
Analysis Batch: 10661 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over				Added	Result 1115		mg/Kg		<u>D</u>	111	Prep %Rec. Limits 70 - 130	Batch: <u>RPD</u> 18	10752 RPD Limit 20
Analysis Batch: 10661 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	LCSD	LCSD		Added	Result 1115		mg/Kg		<u>D</u>	111	Prep %Rec. Limits 70 - 130	Batch: <u>RPD</u> 18	10752 RPD Limit 20
Analysis Batch: 10661 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	LCSD %Recovery			Added	Result 1115		mg/Kg		<u>D</u>	111	Prep %Rec. Limits 70 - 130	Batch: <u>RPD</u> 18	10752 RPD Limit 20
Analysis Batch: 10661 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate				Added 1000 1000	Result 1115		mg/Kg		D 9	111	Prep %Rec. Limits 70 - 130	Batch: <u>RPD</u> 18	10752 RPD Limit 20
Analysis Batch: 10661 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane	%Recovery			Added 1000 1000 <i>Limits</i>	Result 1115		mg/Kg		<u>D</u>	111	Prep %Rec. Limits 70 - 130	Batch: <u>RPD</u> 18	10752 RPD Limit 20
Analysis Batch: 10661 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl	%Recovery 87 92			Added 1000 1000 <i>Limits</i> 70 - 130	Result 1115		mg/Kg			77	Prep %Rec. Limits 70 - 130 70 - 130	Batch: <u>RPD</u> 18 18	10752 RPD Limit 20 20
Analysis Batch: 10661 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane o-Terphenyl Lab Sample ID: 890-1450-A-1-E	%Recovery 87 92			Added 1000 1000 <i>Limits</i> 70 - 130	Result 1115		mg/Kg			77	Prep %Rec. Limits 70 - 130 70 - 130	Batch: <u>RPD</u> 18 18	10752 RPD Limit 20 20
Analysis Batch: 10661 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 890-1450-A-1-E Matrix: Solid	%Recovery 87 92			Added 1000 1000 <i>Limits</i> 70 - 130	Result 1115		mg/Kg			77	Prep %Rec. Limits 70 - 130 70 - 130 Sample ID Prep T	Batch: <u>RPD</u> 18 18 18 : Matrix	10752 RPD Limit 20 20
Analysis Batch: 10661 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane D-Terphenyl Lab Sample ID: 890-1450-A-1-E Matrix: Solid	%Recovery 87 92	Quali	fier	Added 1000 1000 <i>Limits</i> 70 - 130	Result 1115 770.0		mg/Kg			77	Prep %Rec. Limits 70 - 130 70 - 130 Sample ID Prep T	Batch: <u>RPD</u> 18 18 18 : Matrix Type: To	10752 RPD Limit 20 20
Analysis Batch: 10661 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 890-1450-A-1-E Matrix: Solid Analysis Batch: 10661	%Recovery 87 92 E MS Sample Result	<u>Qualit</u> Samp <u>Qualit</u>	fier	Added 1000 1000 <u>Limits</u> 70 - 130 70 - 130	Result 1115 770.0	Qualifier	mg/Kg			77	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep T Prep T	Batch: <u>RPD</u> 18 18 18 : Matrix Type: To	10752 RPD Limit 20 20
Analysis Batch: 10661 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 890-1450-A-1-I Matrix: Solid Analysis Batch: 10661 Analyte Gasoline Range Organics	%Recovery 87 92 E MS Sample	<u>Qualit</u> Samp <u>Qualit</u>	fier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 Spike	Result 1115 770.0	Qualifier	mg/Kg			111 77 Client S	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 70 - 130 70 - 130 70 - 190 70 - 190	Batch: <u>RPD</u> 18 18 18 : Matrix Type: To	10752 RPD Limit 20 20
Analysis Batch: 10661 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane p-Terphenyl Lab Sample ID: 890-1450-A-1-I Matrix: Solid Analysis Batch: 10661 Analyte Gasoline Range Organics GRO)-C6-C10	%Recovery 87 92 E MS Sample Result	<u>Qualit</u> Samp <u>Qualit</u>	fier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130	Result 1115 770.0 MS Result	Qualifier	mg/Kg mg/Kg			111 77 Client S	Prep %Rec. Limits 70 - 130 70 - 130	Batch: <u>RPD</u> 18 18 18 : Matrix Type: To	10752 RPD Limit 20 20
Analysis Batch: 10661 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate I-Chlorooctane D-Terphenyl Lab Sample ID: 890-1450-A-1-I Matrix: Solid Analysis Batch: 10661 Analyte Gasoline Range Organics GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 87 92 E MS Sample Result <49.9	<u>Qualit</u> Samp <u>Qualit</u>	fier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 997	Result 1115 770.0 MS Result 1192	Qualifier	mg/Kg mg/Kg <u>Unit</u> mg/Kg			111 77 Client S %Rec 120	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep T %Rec. Limits 70 - 130	Batch: <u>RPD</u> 18 18 18 : Matrix Type: To	10752 RPD Limit 20 20
Analysis Batch: 10661 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane p-Terphenyl Lab Sample ID: 890-1450-A-1-I Matrix: Solid Analysis Batch: 10661 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	%Recovery 87 92 E MS Sample Result <49.9 65.1 MS	Qualit Samp Qualit U	fier	Added 1000	Result 1115 770.0 MS Result 1192	Qualifier	mg/Kg mg/Kg <u>Unit</u> mg/Kg			111 77 Client S %Rec 120	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep T %Rec. Limits 70 - 130	Batch: <u>RPD</u> 18 18 18 : Matrix Type: To	10752 RPD Limit 20 20
Analysis Batch: 10661 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane 0-Terphenyl Lab Sample ID: 890-1450-A-1-I Matrix: Solid Analysis Batch: 10661 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate	%Recovery 87 92 E MS Sample Result <49.9 65.1 MS %Recovery	Qualit Samp Qualit U	fier	Added 1000 1000 <i>Limits</i> 70 - 130 70 - 130 70 - 130 997 997 997 Limits	Result 1115 770.0 MS Result 1192	Qualifier	mg/Kg mg/Kg <u>Unit</u> mg/Kg			111 77 Client S %Rec 120	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep T %Rec. Limits 70 - 130	Batch: <u>RPD</u> 18 18 18 : Matrix Type: To	10752 RPD Limit 20 20
Analysis Batch: 10661 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Surrogate 1-Chlorooctane 0-Terphenyl Lab Sample ID: 890-1450-A-1-I Matrix: Solid Analysis Batch: 10661 Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	%Recovery 87 92 E MS Sample Result <49.9 65.1 MS	Qualit Samp Qualit U	fier	Added 1000	Result 1115 770.0 MS Result 1192	Qualifier	mg/Kg mg/Kg <u>Unit</u> mg/Kg			111 77 Client S %Rec 120	Prep %Rec. Limits 70 - 130 70 - 130 70 - 130 Sample ID Prep T %Rec. Limits 70 - 130	Batch: <u>RPD</u> 18 18 18 : Matrix Type: To	10752 RPD Limit 20 20

Eurofins Xenco, Carlsbad

Client: WSP USA Inc. Project/Site: Eider 23 Federal Job ID: 890-1451-1

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

Matrix: Solid	1-F MSD						Shent	sampie	D: Matrix S	ріке Dup Туре: То	
Analysis Batch: 10661	Somalo	Sampla	Spike	Men	MSD				%Rec.	o Batch:	RPI
Analuto	Sample	Qualifier	Spike Added	Result		Unit	D	%Rec	Limits	RPD	Limi
Analyte Gasoline Range Organics			1000	1221	Quaimer	mg/Kg		122	70 - 130	2	2
(GRO)-C6-C10	\$49.9	0	1000	1221		mg/Kg		122	70 - 130	2	2
Diesel Range Organics (Over	65.1		1000	1233		mg/Kg		117	70 - 130	12	2
C10-C28)											
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	127		70 - 130								
o-Terphenyl	129		70 - 130								
ethod: 300.0 - Anions, l Lab Sample ID: MB 880-1030 Matrix: Solid Analysis Batch: 10621		ograpny						Client	Sample ID: Prep	Method Type: S	
		MB MB									
Analyte	Re	esult Qualifier		RL	Unit		D	Prepared	Analy	zed	Dil Fa
Chloride	<	5.00 U		5.00	mg/K	g			10/25/21	21:11	
									Dress		
Matrix: Solid			Snike	LCS	108					Type: S	
Matrix: Solid Analysis Batch: 10621			Spike Added		LCS Qualifier	Unit	D	%Rec	%Rec.		
Matrix: Solid Analysis Batch: 10621 Malyte			Spike Added 250		LCS Qualifier	Unit mg/Kg	D	%Rec 104			
Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: LCSD 880-10 Matrix: Solid			Added	Result		mg/Kg		104	%Rec. Limits 90 - 110	• Type: S	olubl
Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: LCSD 880-10 Matrix: Solid			Added 250	Result 259.2	Qualifier	mg/Kg		104	%Rec. Limits 90 - 110 Lab Contro Prep	o Type: S	olubl
Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: LCSD 880-10 Matrix: Solid Analysis Batch: 10621			Added 250 Spike	Result 259.2	Qualifier	mg/Kg	ent Sa	104 mple ID	%Rec. Limits 90 - 110 Lab Contro Prep %Rec.	o Type: S ol Sampl o Type: S	olubi le Du olubi RP
Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: LCSD 880-10 Matrix: Solid Analysis Batch: 10621 Analyte			Added 250	Result 259.2	Qualifier	mg/Kg		104 mple ID	%Rec. Limits 90 - 110 Lab Contro Prep	o Type: S	olubi le Du olubi RP Lim
Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: LCSD 880-10 Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: 890-1451-2 M Matrix: Solid	 0301/3-A 		Added 250 Spike Added	Result 259.2 LCSD Result	Qualifier	mg/Kg Cli	ent Sa	104 mple ID	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sa	ol Sampl Type: S Type: S <u>RPD</u> 1	olubi
Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: LCSD 880-10 Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: 890-1451-2 M Matrix: Solid	 0301/3-A 		Added 250 Spike Added 250	Result 259.2 LCSD Result 256.5	Qualifier LCSD Qualifier	mg/Kg Cli	ent Sa	104 mple ID	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sa Prep	ol Sampl Type: S Type: S <u>RPD</u> 1 mple ID:	olubi
Lab Sample ID: LCS 880-103 Matrix: Solid Analysis Batch: 10621 Chloride Lab Sample ID: LCSD 880-10 Matrix: Solid Analysis Batch: 10621 Chloride Lab Sample ID: 890-1451-2 M Matrix: Solid Analysis Batch: 10621	0301/3-A MS Sample	•	Added 250 Spike Added 250 Spike	Result 259.2 LCSD Result 256.5	Qualifier LCSD Qualifier MS	mg/Kg Cli Unit mg/Kg	ent Sa	104 mple ID %Rec 103	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sa Prep %Rec.	ol Sampl Type: S Type: S <u>RPD</u> 1 mple ID:	le Du olubi olubi RP Lim 2 : SS0
Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: LCSD 880-10 Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: 890-1451-2 M Matrix: Solid Analysis Batch: 10621 Analyte	0301/3-A MS Sample Result	Sample	Added 250 Spike Added 250 Spike Added	Result 259.2 LCSD Result 256.5 MS Result	Qualifier LCSD Qualifier	Unit Unit Unit	ent Sa	104 mple ID %Rec 103	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sa Prep %Rec. Limits	ol Sampl Type: S Type: S <u>RPD</u> 1 mple ID:	elubl ele Du olubl RP Lim 2 : SS0
Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: LCSD 880-10 Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: 890-1451-2 M Matrix: Solid Analysis Batch: 10621 Analyte	0301/3-A MS Sample	•	Added 250 Spike Added 250 Spike	Result 259.2 LCSD Result 256.5	Qualifier LCSD Qualifier MS	mg/Kg Cli Unit mg/Kg	ent Sa	104 mple ID %Rec 103	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sa Prep %Rec.	ol Sampl Type: S Type: S <u>RPD</u> 1 mple ID:	olubi
Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: LCSD 880-10 Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: 890-1451-2 M Matrix: Solid Analysis Batch: 10621 Analyte Chloride	0301/3-A MS 	•	Added 250 Spike Added 250 Spike Added	Result 259.2 LCSD Result 256.5 MS Result	Qualifier LCSD Qualifier MS	Unit Unit Unit	ent Sa	104 mple ID %Rec 103	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sa 90 - 110 Client Sa	ol Sampl ol Sampl Type: S <u></u> mple ID: Type: S 	ele Du olubi RP Lim 2 : SS0 olubi
Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: LCSD 880-10 Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: 890-1451-2 M Matrix: Solid Analyte Chloride Lab Sample ID: 890-1451-2 M	0301/3-A MS 	•	Added 250 Spike Added 250 Spike Added	Result 259.2 LCSD Result 256.5 MS Result	Qualifier LCSD Qualifier MS	Unit Unit Unit	ent Sa	104 mple ID %Rec 103	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sa 90 - 110 Client Sa	ol Sampl ol Sampl Type: S <u>RPD</u> 1 umple ID: o Type: S	ele Du olubi RP Lim 2 : SS0 olubi
Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: LCSD 880-10 Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: 890-1451-2 M Matrix: Solid Analyte Chloride Lab Sample ID: 890-1451-2 M	0301/3-A MS 	Qualifier	Added 250 Spike Added 250 Spike Added 1260	Result 259.2 LCSD Result 256.5 MS Result 1708	Qualifier LCSD Qualifier MS Qualifier	Unit Unit Unit	ent Sa	104 mple ID %Rec 103	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sa 90 - 110 Client Sa 90 - 110 Client Sa Prep	ol Sampl ol Sampl Type: S <u></u> mple ID: Type: S 	olubi le Du olubi RP Lim 2 : SS0 olubi
Matrix: Solid Analysis Batch: 10621 Chloride Lab Sample ID: LCSD 880-10 Matrix: Solid Analysis Batch: 10621 Analyte Chloride Lab Sample ID: 890-1451-2 M Matrix: Solid	0301/3-A VIS 	Qualifier	Added 250 Spike Added 250 Spike Added	Result 259.2 LCSD Result 256.5 MS Result 1708	Qualifier LCSD Qualifier MS Qualifier	Unit Unit Unit	ent Sa	104 mple ID %Rec 103	%Rec. Limits 90 - 110 Lab Contro Prep %Rec. Limits 90 - 110 Client Sa 90 - 110 Client Sa	ol Sampl ol Sampl Type: S <u></u> mple ID: Type: S 	le Du olubi RP Lim 2 : SS0 olubi

SDG: 31402909.22

Page 31 of 49

QC Association Summary

Client: WSP USA Inc. Project/Site: Eider 23 Federal Job ID: 890-1451-1

SDG: 31402909.22

GC VOA

Prep Batch: 10009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-10009/5-A	Method Blank	Total/NA	Solid	5035	
rep Batch: 10011					
Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1451-1	SS01	Total/NA	Solid	5035	
890-1451-2	SS02	Total/NA	Solid	5035	
890-1451-3	SS03	Total/NA	Solid	5035	
MB 880-10011/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-10011/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-10011/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-7292-A-1-B MS	Matrix Spike	Total/NA	Solid	5035	
880-7292-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1451-1	SS01	Total/NA	Solid	8021B	10011
890-1451-2	SS02	Total/NA	Solid	8021B	10011
890-1451-3	SS03	Total/NA	Solid	8021B	10011
MB 880-10009/5-A	Method Blank	Total/NA	Solid	8021B	10009
MB 880-10011/5-A	Method Blank	Total/NA	Solid	8021B	10011
LCS 880-10011/1-A	Lab Control Sample	Total/NA	Solid	8021B	10011
LCSD 880-10011/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	10011
880-7292-A-1-B MS	Matrix Spike	Total/NA	Solid	8021B	10011
880-7292-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	10011

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1451-1	SS01	Total/NA	Solid	Total BTEX	
890-1451-2	SS02	Total/NA	Solid	Total BTEX	
890-1451-3	SS03	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 10661

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1451-1	SS01	Total/NA	Solid	8015B NM	10752
390-1451-2	SS02	Total/NA	Solid	8015B NM	10752
390-1451-3	SS03	Total/NA	Solid	8015B NM	10752
MB 880-10752/1-A	Method Blank	Total/NA	Solid	8015B NM	10752
_CS 880-10752/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	10752
CSD 880-10752/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	10752
390-1450-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	10752
890-1450-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	10752

Lab Sample ID 890-1451-1	Client Sample ID SS01	Prep Type Total/NA	Matrix Solid	Method 8015 NM	Prep Batch
890-1451-2	SS02	Total/NA	Solid	8015 NM	
890-1451-3	SS03	Total/NA	Solid	8015 NM	

Eurofins Xenco, Carlsbad

Page 32 of 49

5

QC Association Summary

Client: WSP USA Inc. Project/Site: Eider 23 Federal

5

Job ID: 890-1451-1 SDG: 31402909.22

GC Semi VOA Prep Batch: 10752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1451-1	SS01	Total/NA	Solid	8015NM Prep	
890-1451-2	SS02	Total/NA	Solid	8015NM Prep	
890-1451-3	SS03	Total/NA	Solid	8015NM Prep	
MB 880-10752/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-10752/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-10752/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1450-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1450-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 10301

Matrix Spike	TOLAI/INA	30110	ou i sinini Fiep		
Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep		8
					9
					10
Client Sample ID	Prep Type	Matrix	Method	Prep Batch	
SS01	Soluble	Solid	DI Leach		
SS02	Soluble	Solid	DI Leach		
SS03	Soluble	Solid	DI Leach		
Method Blank	Soluble	Solid	DI Leach		
Lab Control Sample	Soluble	Solid	DI Leach		
Lab Control Sample Dup	Soluble	Solid	DI Leach		13
SS02	Soluble	Solid	DI Leach		
SS02	Soluble	Solid	DI Leach		
	Matrix Spike Duplicate Client Sample ID SS01 SS02 SS03 Method Blank Lab Control Sample Lab Control Sample Dup SS02	Matrix Spike Duplicate Total/NA Client Sample ID Prep Type SS01 Soluble SS02 Soluble SS03 Soluble Method Blank Soluble Lab Control Sample Dup Soluble SS02 Soluble SS02 Soluble	Matrix Spike DuplicateTotal/NASolidClient Sample IDPrep TypeMatrixSS01SolubleSolidSS02SolubleSolidSS03SolubleSolidMethod BlankSolubleSolidLab Control Sample DupSolubleSolidSS02SolubleSolidSolubleSolidSolubleSolidSolubleSolidSolubleSolidSolubleSolidSolubleSolidSolubleSolidSolubleSolidSolubleSolidSolubleSolid	Matrix Spike DuplicateTotal/NASolid8015NM PrepClient Sample IDPrep TypeMatrixMethodSS01SolubleSolidDI LeachSS02SolubleSolidDI LeachSS03SolubleSolidDI LeachMethod BlankSolubleSolidDI LeachLab Control SampleSolubleSolidDI LeachSS02SolubleSolidDI LeachSolubleSolidDI LeachLab Control SampleSolubleSolidSS02SolubleSolidDI LeachSS02SolubleSolidDI Leach	Matrix Spike DuplicateTotal/NASolid8015NM PrepClient Sample IDPrep TypeMatrixMethodPrep BatchSS01SolubleSolidDI LeachSS02SolubleSolidDI LeachSS03SolubleSolidDI LeachMethod BlankSolubleSolidDI LeachLab Control Sample DupSolubleSolidDI LeachSS02SolubleSolidDI LeachSolubleSolubleSolidDI LeachLab Control SampleSolubleSolidDI LeachSS02SolubleSolidDI LeachSS02SolubleSolidDI Leach

Analysis Batch: 10621

Lab Sample ID	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
890-1451-1	SS01	Soluble	Solid	300.0	10301
890-1451-2	SS02	Soluble	Solid	300.0	10301
890-1451-3	SS03	Soluble	Solid	300.0	10301
MB 880-10301/1-A	Method Blank	Soluble	Solid	300.0	10301
LCS 880-10301/2-A	Lab Control Sample	Soluble	Solid	300.0	10301
LCSD 880-10301/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	10301
890-1451-2 MS	SS02	Soluble	Solid	300.0	10301
890-1451-2 MSD	SS02	Soluble	Solid	300.0	10301

Initial

Amount

5.05 g

5 mL

10.01 g

5.05 g

Final

Amount

5 mL

5 mL

10 mL

50 mL

Batch

10011

10332

10619

10676

10752

10661

10301

10621

Number

Prepared

or Analyzed

10/20/21 14:16

10/24/21 22:17

10/26/21 15:12

10/27/21 11:09

10/27/21 13:40

10/27/21 23:31

10/22/21 17:46

10/25/21 22:45

Dil

1

1

1

1

1

Factor

Run

Client Sample ID: SS01 Date Collected: 10/19/21 11:00

Prep Type

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Total/NA

Soluble

Soluble

Batch

Туре

Prep

Analysis

Analysis

Analysis

Analysis

Analysis

Leach

Prep

Batch

Method

5035

8021B

Total BTEX

8015NM Prep

8015B NM

DI Leach

300.0

8015 NM

Job ID: 890-1451-1 SDG: 31402909.22

Lab Sample ID: 890-1451-1

Analyst

KL

KL

KL

AJ

DM

AJ

SC

СН

Matrix: Solid

Lab

XEN MID

Lab Sample ID: 890-1451-2 Matrix: Solid

Lab Sample ID: 890-1451-3

Matrix: Solid

Client Sample ID: SS02 Date Collected: 10/19/21 11:03

Date Received: 10/19/21 15:54

	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	10011	10/20/21 14:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10332	10/24/21 22:38	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10619	10/26/21 15:12	KL	XEN MID
Total/NA	Analysis	8015 NM		1			10676	10/27/21 11:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	10752	10/27/21 13:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10661	10/27/21 23:51	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	10301	10/22/21 17:46	SC	XEN MID
Soluble	Analysis	300.0		5			10621	10/25/21 22:51	CH	XEN MID

Client Sample ID: SS03 Date Collected: 10/19/21 11:06

Date Received: 10/19/21 15:54

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	10011	10/20/21 14:16	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	10332	10/24/21 22:59	KL	XEN MID
Total/NA	Analysis	Total BTEX		1			10619	10/26/21 15:12	KL	XEN MID
Total/NA	Analysis	8015 NM		1			10676	10/27/21 11:09	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	10752	10/27/21 13:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			10661	10/28/21 00:12	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	10301	10/22/21 17:46	SC	XEN MID
Soluble	Analysis	300.0		1			10621	10/25/21 23:09	CH	XEN MID

Laboratory References:

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

Accreditation/Certification Summary

Client: WSP	USA Inc.
Project/Site:	Eider 23 Federal

Job ID: 890-1451-1 SDG: 31402909.22

Laboratory: Eurofins Xenco, Midland

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

Authority Texas		ogram	Identification Number	Expiration Date 06-30-22
		ELAP	T104704400-21-22	
The following analytes	are included in this report, bi		ied by the governing authority. This list ma	ay include analytes to
the agency does not of Analysis Method	fer certification.	-		, ,
the agency does not of Analysis Method 8015 NM	•	Matrix Solid	Analyte Total TPH	

Eurofins Xenco, Carlsbad

Page 35 of 49

Client: WSP USA Inc. Project/Site: Eider 23 Federal Job ID: 890-1451-1 SDG: 31402909.22

Method	Method Description	Protocol	Laboratory		
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID		
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID		
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID		
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID		
300.0	Anions, Ion Chromatography	MCAWW	XEN MID		
5035	Closed System Purge and Trap	SW846	XEN MID		
8015NM Prep	Microextraction	SW846	XEN MID		
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID		
Protocol Refe	rences:			8	
ASTM = A	STM International				
MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.					
SW846 = '	Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Editi	on, November 1986 And Its Updates.			
TAL SOP =	 TestAmerica Laboratories, Standard Operating Procedure 				

Protocol References:

Laboratory References:

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

Page 36 of 49

Client: WSP USA Inc. Project/Site: Eider 23 Federal Page 37 of 49

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1451-1	SS01	Solid	10/19/21 11:00	10/19/21 15:54	0.5
890-1451-2	SS02	Solid	10/19/21 11:03	10/19/21 15:54	0.5
890-1451-3	SS03	Solid	10/19/21 11:06	10/19/21 15:54	0.5

.

ω -	<u> </u>	00	n 🖅		- T-		1 -	<u> </u>	Т	<u> </u>	r—		-						100	-			<u> </u>		5					
ppenne	Relinquished by	of Xenco. A minimum cha	Circle Method	Total 200 7 / 6						SS0	SS0	SSO	Sample Iden	Sample Custody Sea	Cooler Custody Seals	Received Intact:	Temperature (°C):	SAMPLE RECE		P.O. Number:	Project Number:									5
X	r: (Signature)	liable only for the cos arge of \$75.00 will be a	(s) and Metal(s)										tification	Yes	Yes	(Jes)	イ・ア		Payton Benner		з	Eider 23 Federa	817-683-2503	Midland, Texas	3300 North A St	WSP USA	Kalei Jennings			
N.		t of sample applied to e	to be ar	P3 ?						S	S	S	Matrix	11	1 1	No	4.0	ıp Blank:			1402909			79705	treet Bld				Di L	
A C	Received t	each project and a	halyzed	RR						10/19/2021	10/19/2021	10/19/2021	Date Sampled	Total	Corre	オー	Τŀ	No sea			9.22				g 1, Unit 222			Hobbs,I		
	y: (Signature	ssume any respo a charge of S5 fo	TCLP / SPL							11:06	11:03 0	11:00	Time Sampled	Containers:	ction Factor:	2-00-2	nermometer IC	Wet Ice:	Due D	Rush:	Routin	Tur	Email:			0		VM (575-392-75	Houston,T) Midland,T	
	e)	onsibility for any r each sample su	P 6010: 8R							0.5'	0.5'	0.5'	Depth		-0,2		0	NO S	ate:		P P	n Around	kalei.jenning:	City, State ZIP	Address:	Company Nar	Bill to: (if differen	550) Phoenix,A	X (281) 240-42(FX (432-704-54	
0/19		losses or ubmitted to	CRA S	≥						-				_		ntai	ners	5					s@wsp.		3 S		E K	Z (480-35	00 Dallas 40) EL Pa	Chi
2)ate/Tim	expenses o Xenco, bu	b As B	As	-	-	+	$\left \right $		×	×	××		-	-	021)							com, pa	idland, T	300 North	SP USA	alei Jenni	5-0900)	,TX (214) aso,TX (9	Chain of Custody
3:56	Đ	incurred b ut not anal	a Be (Be					+	×	×	×	Chlori	de (El	PA 3	00.0)						yton.be	exas 797	A Stree		ngs	Atlanta,G.	902-0300 15)585-34	of C
4	Reli	y the clien yzed. Thes	d Cr (2																			nner@v	05	t Bldg 1,			A (770-44	San Ant 43 Lubbo	Jsto
	nquishe	t if such lo terms w	So Cu	Q.					_	-											-	ANAL	/sp.com		Unit 222			9-8800)	onio,TX (2 ock,TX (8	dy
	ed by: (Si	sses are du ill be enforc	Pb Mn I	ol		+								-	890-1							YSIS RE						Fampa,FL	210) 509-33 06)794-129	
	ignature	e to circun ed unless	Mo Ni S	Pb		_									451 Cha						-	EQUES1			_	 		(813-620-	334 96	
	+	nstances b previously	Se Ag	a Mn N		_	+			╉	┼				in of Cus	NINNIN N			_				eliverable	eporting:	State o	ogram:		2000)		
	Rece	negotiate	TI ∪	о Ni К			+-							—	stody	WHIMM			_				S: EDD	_evel II	f Projec	UST/PS				_
	eived by	d.	ditions	Se Ag		-							-						-	_					יי נ		Worl	WWW.Xe		Nork C
	(Signat			SiO2		+			Mr.	13				h/									ADaF			Brow	(Order	nco.con		Work Order No:
	ture)		631 / 24								T				TAT	Τ		_	NAPF		<u> </u>						Comme			6
$\left \right $	+		15 .1 / 74	TI Sn (Į,			Ģ		D	Sample	ab, if rece	starts the				³ 212853			Work O	Othe			ی ک	ents	le		
	Date/1		170 / 74	U V Zn						Iscrete	iscrete	screte	Comm	ived by 4:	day recev.				31481			rder Nc		Lvei Iv	כ	Juperfu		1 of		
	ime		71 : Hg					с£,					ents	30pm	ied by the							Ites		Ľ]	nd				
	2	: (Signature) Received by: (Signature) Date/Time	are due to circumstances beyond the control enforced unless previously negotiated. y: (Signature) Received by: (Signature)	nalyzed TCLP / SPLP 6010: BRCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl 1631 / 245.1 / 747 ramples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions est and a charge of S5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated. Received by: (Signature) Date/Time Relinquished by: (Signature) Received by: (Signature) Received by: (Signature) Nature) MI for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control Received by: (Signature) Date/Time Relinquished by: (Signature) Received by: (Signature) Mile be inforced unless previously negotiated.	u Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Mn Mo Ni Se Ag Ti U s. It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated. y: (Signature) Received by: (Signa	u Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Mn Mo Ni Se Ag Tl U s. It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated. Y: (Signature) Received by: (Signa	u Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Mn Mo Ni Se Ag Tl U s. It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated. V: (Signature) Received by: (Signa	u Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Mn Mo Ni Se Ag Ti U ser due to circumstance beyond the control enforced unless previously negotiated. (Signature) Received by: (Signa	u Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Mn Mo Ni Se Ag Ti U s. It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated. Y: (Signature) Received by: (Signa	u Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Mn Mo Ni Se Ag Ti U s. It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated.	u Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Mn Mo Ni Se Ag Tl U Mn Mo Ni Se Ag Tl U s. It assigns standard terms and conditions are due to circumstance beyond the control enforced unless previously negotiated.	u Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Mn Mo Ni Se Ag Ti U Mn Mo Ni Se Ag Ti U s. It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negoliated.	u Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Mn Mo Ni Se Ag Tl U . It assigns standard terms and conditions are due to circumstances beyond the control enforced unless previously negotiated.	u Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Mn Mo Ni Se Ag Tl U Ni Se Ag Tl U Received by: (Signature) Received by: (Signature)	u Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Mn Mo Ni Se Ag Ti U mo Ni Se Ag Ti U reforced unless previously negoliated.	390-1451 Chain of Custody 390-1451 Chain of Custody 390-1451 Chain of Custody 390-1451 Chain of Custody 390-1451 Chain of Custody 190-1451 Chain of Cus	390-1451 Chain of Custody 390-1451 Chain of Cus	390-1451 Chain of Custody 390-1451 Chain of Custody 390-1451 Chain of Custody U Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na are due to circumstances beyond the control enforced unless previously negotiated. Y: (Signature) Received by: (Signature	390-1451 Chain of Custody 390-1451 Chain of Custody 190-1451 Chain of	390-1451 Chain of Custody 390-1451 Chain of Custody u Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na are due to circumstances beyond the control enforced unless previously negotiated.	390-1451 Chain of Custody 390-1451 Chain of Custody 190-1451 Chain of Cus	No Ni Se Ag Ti U Mn Mo Ni Se Ag Ti U Mn Mn M	S REQUEST	S REQUEST S RECUEST S RECUEST S RECUEST ADAPT	S REQUEST Deliverables: EDD ADaPT 990-1451 Chain of Custody N WI Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na are due to circumstances beyond the control enforced unless previously negotiated. 1631 V: (Signature) Received by: (Signature)	SREQUEST SREQUEST SREQUEST SREQUEST SREQUEST U Fe Pb Mg Mn Mo Ni K Se Ag SiO2 Na are due to circumstances beyond the control enforced unless previously negoliated. (Signature) Received by: (Signature	Program: UST/PST PRP [] Brownfiel SRECUEST Deliverables: EDD ADaPT SOD-1451 Chain of Custody 900-1451 Chain of Custody N SOD-1451 Chain of Custody N N Win Mo Ni K Se Ag SiO2 Na 1631 Mn Mo Ni Se Ag Tl U 1631 And Tl U 1631 State of Project: 1631 V: (Signature) Received by: (Signature)	Work Order Col Program: UST/PST PRP State of Project: Deliverables: EDD Deliverables: EDD S REQUEST Secondary Secondary	a,FL (813-620-2000) Work Order Co. Program: UST/PST PRP Brownfiel State of Project: Peliverables: EDD Project: Deliverables: EDD Project: Deliverables: EDD Project: ADaPT S REQUEST S REQUEST S REQUEST N N N N N N N N N N N N N	A-1296 A-1296 A-1296 A-1296 Program: UST/PST PAP Brownfiel State of Project: Peporting:Level II [Level III [ST/US Deliverables: EDD] ADaPT ADATT ADATT ADATT ADATT ADATT ADATT ADATT ADATT ADATT



13

	ody Sea	Relinquished by Company Received by	<	Use Cent 12.20.21 Later Lime Company	Inquished by Date Time	Deliverable Requested II III IV Uther (specify) Primary Deliverable Rank. 2 Special Instructions/QC Requirements	Sample Disposal (A fee	subject to change Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories, gin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Xenco LLC laboratory or other instru- coreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Xenco LLC				SS03 (890-1451-3) 10/19/21 10 Solid X X X X X X	SS02 (890-1451-2) 10/19/21 11 03 Solid X X X X X X	SS01 (890-1451-1) 10/19/21 100 Solid X X X X X X	Sample Identification - Client ID (Lab ID) Sample Date Sample Matrix Sample Identification - Client ID (Lab ID) Sample Date Type (Nirvater III Comp. Orwatted) Sample Identification - Client ID (Lab ID) Sample Date Time G=grab) Sample Identification - Client ID (Lab ID) Sample Date Time G=grab) Sample Identification - Client ID (Lab ID) Sample Date Sample Identification - Client ID (C=Comp. Orwatted) Sample Identification - Client ID (Lab ID) Sample Date Time G=grab) Sample Identification - Client ID (Lab ID) Sample Date Sample Identification - Client ID (C=Comp. Orwatted) Sample Identification - Client ID (Lab ID) Sample Date Sample Identification - Client ID (C=Comp. Orwatted) Sample Identification - Client ID (Lab ID) Sample Date Sample Identification - Client ID (C=Comp. Orwatted)	Samp SD (1 015NM BD/DI_ Calc B	es or 1_S_Pr _EACH	s or N No)	і трн	zip 9701	ed (days)	Address Due Date Requested Analysis Requested Analysis Requested Analysis Requested	y Is Xenco	Phone E-Mail Jessica kramer@eurofinset.com	Sampler Lab PM Kramer Jessica	Fax 575-988-3199	Carlsbad NM 88220 Criatil of Custory Necola International
	Remarks.	Date/Time	Date/Time		Method of Shipment:	ents	essed if samples are rei	be shipment is forwarded under chain- be provided Any changes to accredita														quested		State of Origin New Mexico	Carrier Tracking No(s)		
ℓ Ver 06/08/2021		Company	1015 Company	Company			tained longer than 1 month) Archive ForMonths	This sample shipment is forwarded under chain-of-custody If the laboratory does not currently ctions will be provided Any changes to accreditation status should be brought to Eurofins Xanco LLC							Total Special Instructions/Note	O Other	ntaine n cuina w pH 4-5 L EDA Z other (specify)	J DI Water V	Amchlor Ascorbic Acid	חסש	NaOH N Zn Acetate O	eservation Codes	Job # 890-1451-1	Page Page 1 of 1	COC № 890-471 1		åmerica

13

Job Number: 890-1451-1 SDG Number: 31402909.22

List Source: Eurofins Xenco, Carlsbad

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 1451 List Number: 1 Creator: Olivas, Nathaniel

<6mm (1/4").

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 True tampered with. Samples were received on ice. True True Cooler Temperature is acceptable. 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 True HTs) 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 True MS/MSDs

N/A

Eurofins Xenco, Carlsbad Released to Imaging: 12/27/2021 1:17:49 PM

Containers requiring zero headspace have no headspace or bubble is

14

Login Sample Receipt Checklist

Client: WSP USA Inc.

Login Number: 1451 List Number: 2 Creator: Kramer, Jessica

Quantian	•	Ormanit
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	1.6/1.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is	N/A	

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

14

Job Number: 890-1451-1 SDG Number: 31402909.22

List Source: Eurofins Xenco, Midland List Creation: 10/21/21 10:24 AM Received by OCD: 11/30/2021 3:51:08 PM

Released to Imaging: 12/27/2021 1:17:49 PM

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

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

Incident ID	NAPP2128531481
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	COG Operating, LLC	OGRID	229137
Contact Name	Kelsy Waggaman	Contact Telephone	(432) 688 - 9057
Contact email	Kelsy.Waggaman@ConocoPhillips.com	Incident # (assigned by OCD)	NAPP2128531481
Contact mailing address	600 West Illinois Avenue, Midlar	nd, Texas 79701	

Location of Release Source

Latitude

32.2077247

Longitude -103.6444606

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Eider 23 Federal	Site Type	Tank Battery
Date Release Discovered	September 1, 2021	API# (if applicable)	

Unit Letter	Section	Township	Range	County
В	23	24S	32E	Lea

Surface Owner: State Federal Tribal Private (Name: NGL WATER SOLUTIONS PERMIAN LLC)

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) 8.2	Volume Recovered (bbls) 8.2
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	■ Yes □ No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

The release was caused by a nipple and ball valve missing from the bottom of the water dump. The release occurred within the lined facility. A vacuum truck was dispatched to remove all freestanding fluids. Concho will have the spill area evaluated for any possible impact from the release. Page 2

If YES, for what reason(s) does the responsible party consider this a major release?
otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

The source of the release has been stopped.

The impacted area has been secured to protect human health and the environment.

Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.

All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name Brittany N. Esparza	Title: Environmental Technician
Signature:	Date:
email: Brittany.Esparza@ConocoPhillips.com	Telephone: (432) 221-0398
OCD Only	
Received by:	Date:

Desta IL OCD	11/20/2		51.00 DM			L48 Spill Vc	olume Estimate	Form	D					
Received by OCD:	11/30/21	Facil	ty Name & Number:	Eider 23					Page 45 of 49					
			Asset Area:	DBE										
1	Rele	ase Disc	covery Date & Time:	9/1/2021 2:00P.M.										
			Release Type:	Produced Water										
Provi	de any kr	iown det	ails about the event:	Turned well into test s	separator and didr	't notice that nipp'	e and ball valve were	e missing from under water	dump.					
	i				urned well into test separator and didn't notice that nipple and ball valve were missing from under water dump. Spill Calculation - On Pad Surface Pool Spill									
Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Deepest point in each of the areas (in.)	No. of boundaries of "shore" in each area	Aroa	Estimated Average Depth (ft.)	Estimated volume of each pool area (bbl.)	Penetration allowance (ft.)	Total Estimated Volume of Spill (bbl.)					
Rectangle A	20.0	5.0	0.25	3	100.000	0.007	0.124	0.000	0.124					
Rectangle B	15.0	20.0	0.50	2	300.000	0.021	1.113	0.001	1.114					
Rectangle C	10.0	15.0	6.00	2	150.000	0.250	6.675	0.013	6.758					
Rectangle D	8.0	20.0	0.25	3	160.000	0.007	0.198	0.000	0.198					
Rectangle E					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!					
Rectangle F					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!					
Rectangle G					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!					
Rectangle H					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!					
Rectangle I					0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!					
Released to Imagin	g: 12/2	7/2021	1:17:49 PM		0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0! .					
								Total Volume Release:	8.194					

Oil Conservation Division

	1 450 70 01 7
Incident ID	NAPP2128531481
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<50 (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.

.

Page 46 of 49

Page 3

<i>eceived by OCD: 11/30/2021 3:51:08 PM</i> form C-141 State of New Mexico			Page 47 o		
				Incident ID	NAPP2128531481
Page 4Oil Conservation Divi	on		District RP		
				Facility ID	
				Application ID	
regulations all op public health or t failed to adequat addition, OCD a and/or regulation	hat the information given above is true and complete to be a complete to report and/or file certain release the environment. The acceptance of a C-141 report by t ely investigate and remediate contamination that pose a complete of a C-141 report does not relieve the operator s. Kelsy Waggaman	e notifications a he OCD does a threat to grou or of responsib	and perform co not relieve the ndwater, surfac ility for compl	rrective actions for rele operator of liability sho ce water, human health	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
Signature:	Jany Dagym	Date:	1/30/2021		
email: Kelsy	.Waggaman@ConocoPhillips.com	Telepho	one: (432)	688-9057	
OCD Only Received by: _			Date:		

Page 6

Oil Conservation Division

Incident ID	NAPP2128531481
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 19.15.29.12NMAC.

<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:D	ate:11/30/2021		
email:Kelsy.Waggaman@ConocoPhillips.com	Telephone: (432) 688 -9057		
OCD Only			
Received by:	Date:		
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: COG OPERATING LLC		OGRID: 229137		
600 W Illinois Ave Midland, TX 79701	Action Number: 64332			
		Action Type: [C-141] Release Corrective Action (C-141)		
CONDITIONS				
Created By Condition		Condition Date		

Created By Condition None chensley

Page 49 of 49

Action 64332

12/27/2021

.