Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2121819612
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or 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: Kelsy Waggaman Date: 12/2/21

email: kelsy.waggaman@conocophillips.com Telephone: (505) 577-9071

OCD Only

Received by: Chad Hensley Date: 01/04/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Chad Hensley Date: 01/04/2022

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

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

December 1, 2021

District I
New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, New Mexico 88210

RE: Closure Request
Goldeneye 18 Federal Battery
Incident Number NAPP2121819612
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 and soil sampling activities at the Goldeneye 18 Federal Battery (Site) in Unit M, Section 18, Township 24 South, Range 34 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 crude oil within lined containment at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, Conoco is submitting this Closure Request and requesting no further action (NFA) for Incident Number NAPP2121819612.

RELEASE BACKGROUND

On July 20, 2021, a pinhole leak in the production water tank caused approximately 8.9 barrels (bbls) of produced water to release into the lined secondary containment. Wells and vessels were shut in and a vacuum truck was immediately dispatched to the Site to recover free-standing fluids; all 8.9 bbls of the released produced water were recovered from within the lined containment. Conoco reported the release to the New Mexico Oil Conservation Division (NMOCD) and submitted a Release Notification Form C-141 on August 6, 2021. The release was assigned Incident Number NAPP2121819612. A 48-hour advance notice of liner inspection was provided via email on October 20, 2021 to the NMOCD District I office. A liner integrity inspection was conducted by WSP personnel on October 25, 2021 and upon inspection, the liner was determined to be insufficient.

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 greater than 100 feet below ground surface (bgs) based on the nearest groundwater well data. The closest permitted groundwater well with depth

to groundwater data is New Mexico Office of the State Engineer (NMOSE) well C-03555, located approximately 3.25 miles northeast of the Site. The groundwater well has a reported depth to groundwater of 380 feet bgs and a total depth of 600 feet bgs. Ground surface elevation at the groundwater well location is 3,648 feet amsl, which is approximately 72 feet higher in elevation than the Site. All wells used for depth to groundwater determination are depicted on Figure 1 and referenced well records are provided in Attachment 1.

The closest continuously flowing or significant watercourse to the Site is a freshwater pond, located approximately 7,214 feet 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, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

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

SITE ASSESSMENT ACTIVITIES

On November 10, 2021, WSP personnel visited the Site to evaluate the release and conduct site assessment activities. WSP personnel advanced one borehole (BH01) via hand-auger at the location of the tear in the liner identified during the liner integrity inspection. The borehole was advanced to a depth of 4 feet bgs before encountering auger refusal. Soil from the borehole was field screened for volatile aromatic hydrocarbons and chlorides utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Two delineation soil samples were submitted for laboratory analysis, the sample with highest field screening result (BH01 collected at 0.5 feet bgs) and the sample from the terminus of the borehole (BH01A collected at 4 feet bgs). Field screening results and observations from the borehole were documented on a lithologic/soil sampling log, which is included as Attachment 2. The borehole was backfilled with the soil removed and a Conoco contractor repaired the tear in the liner. The

borehole location is depicted on Figure 2. Photographic documentation was conducted during the Site visit. A photographic log is included in Attachment 3.

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 (GRO), TPH-diesel range organics (DRO), 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 delineation soil samples BH01 and BH01A indicated that benzene, BTEX, TPH-DRO/TPH-GRO, TPH, and chloride concentrations were compliant with the Closure Criteria. In addition, all delineation soil samples were compliant with the most stringent Table 1 Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical report is included as Attachment 4.

CLOSURE REQUEST

Following the failed liner integrity inspection at the Site, WSP personnel advanced one borehole, (BH01), within the lined containment to assess for the presence or absence of soil impacts resulting from the July 20, 2021 produced water release within lined containment. Two delineation soil samples were collected from borehole BH01, at depths of approximately 0.5 feet and 4 feet bgs. Laboratory analytical results for the delineation soil samples indicated that benzene, BTEX, TPH-DRO/TPH-GRO, TPH and chloride concentrations were compliant with the Closure Criteria. In addition, all delineation soil samples were compliant with the most stringent Table 1 Closure Criteria. The release was contained laterally by the lined containment and all released fluids were recovered during initial response activities. The tear in the liner was subsequently repaired.

Based on initial response efforts, absence of elevated field screening results, and soil sample laboratory analytical results compliant with the Closure Criteria directly beneath the tear in the liner, Conoco respectfully requests NFA for Incident Number NAPP2121819612. The final Form C-141 is included in Attachment 5.

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

Sincerely,

WSP USA Inc.

Kalei Jennings
Associate Consultant

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

cc: Kelsy Waggaman, ConocoPhillips Company
Bureau of Land Management

Attachments:

Figure 1	Site Location Map
Figure 2	Delineation Soil Sample Locations
Table 1	Soil Analytical Results
Attachment 1	Referenced Well Records
Attachment 2	Lithologic/Sampling Log
Attachment 3	Photographic Log
Attachment 4	Laboratory Analytical Reports
Attachment 5	Final C-141

FIGURES

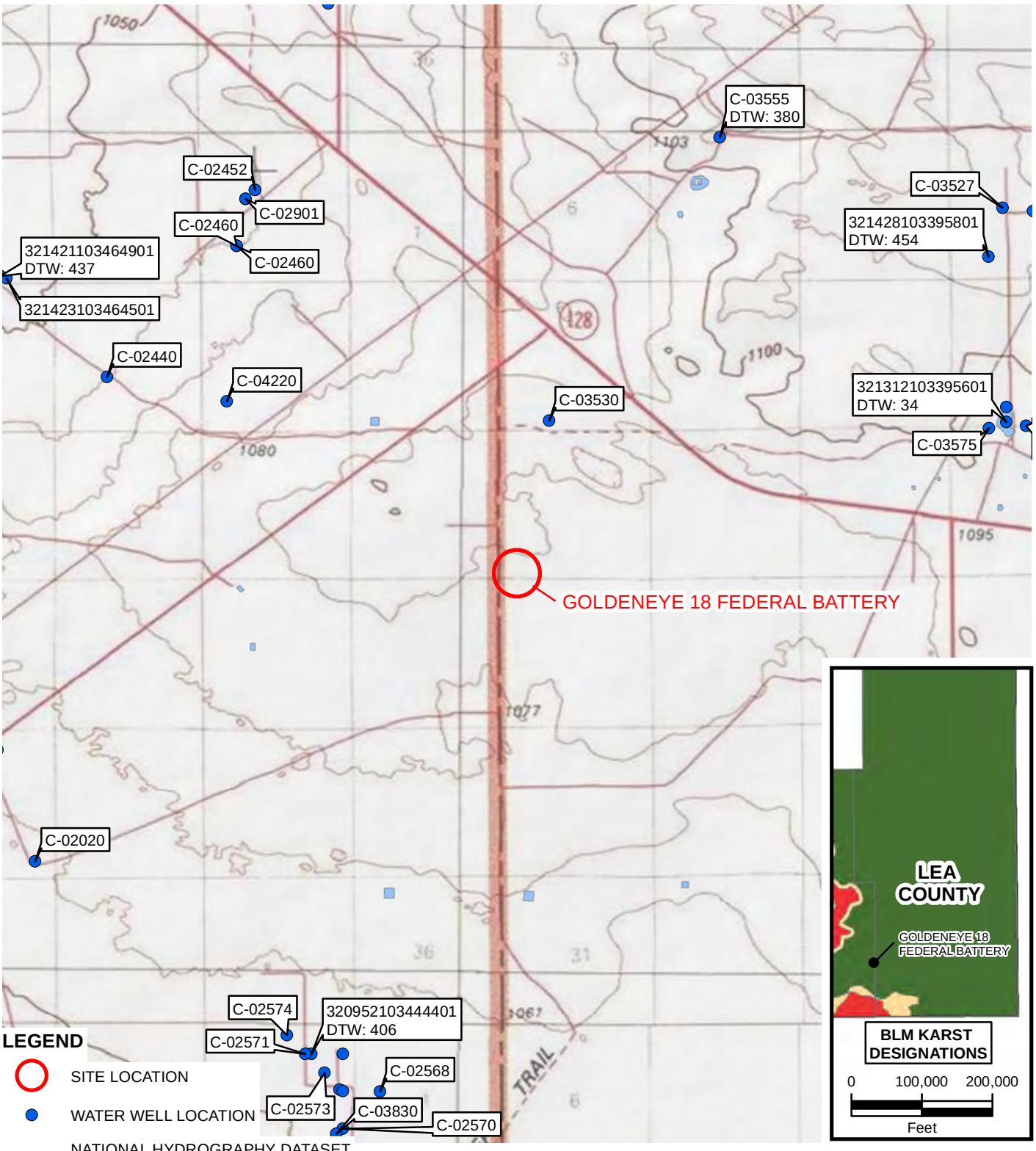


FIGURE 1
SITE LOCATION MAP
GOLDENEYE 18 FEDERAL BATTERY
UNIT M SEC 18 T24S R34E
LEA COUNTY, NEW MEXICO
CONOCOPHILLIPS COMPANY

P:\Concho Operating\GIS\31403720.000.05_GOLDENEYE 18 FEDERAL BATTERY\MXD\31403720.000.05_FIG01_SL_RECEPTOR_2021.mxd

IMAGE COURTESY OF ESRI

LEGEND

DELINEATION SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA

LINED CONTAINMENT

0 50 100

Feet

N

NOTE: INCIDENT NUMBER NAPP2121819612
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

FIGURE 2
DELINEATION SOIL SAMPLE LOCATIONS
GOLDENEYE 18 FEDERAL BATTERY
UNIT M SEC 18 T24S R34E
LEA COUNTY, NEW MEXICO
CONOCOPHILLIPS COMPANY

P:\Concho Operating\GIS\31403720.000.05_GOLDENEYE 18 FEDERAL BATTERY\MXD\31403720.000.05_FIG02_DELINEATION_2021.mxd

TABLES

Table 1

Soil Analytical Results
Goldeneye 18 Federal Battery
Incident Number NAPP2121819612
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-DRO (mg/kg)	TPH-GRO (mg/kg)	TPH-ORO (mg/kg)	Total GRO+DRO (mg/kg)	TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table 1 Closure Criteria (NMAC 19.15.29)			10	50	NE	NE	NE	1,000	2,500	20,000
Delineation Soil Samples										
BH01	11/10/2021	0.5	<0.00199	<0.00398	<50.0	<50.0	<50.0	<50.0	<50.0	199
BH01A	11/10/2021	4	<0.00202	<0.00404	<49.9	<49.9	<49.9	<49.9	<49.9	65.6

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

ATTACHMENT 1: REFERENCED WELL RECORD

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 03555 **Subbasin:** C **Cross Reference:** -

Primary Purpose: STK 72-12-1 LIVESTOCK WATERING

Primary Status: PMT PERMIT

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

Total Diversion: 3 **Cause/Case:** -

Owner: NGL WATER SOLUTIONS PERMIAN

Contact: R CHARLES WILKIN

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	677211	UWL	2020-08-06	UWL	ACC	C 03555	T		0	
get images	633172	COWNF	2018-09-17	CHG	PRC	C 03555	T		0	
get images	534311	72121	2013-09-19	PMT	LOG	C 03555	T		3	
get images	506470	72121	2012-06-29	EXP	EXP	C 03555	T		3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
C 03555 POD1	NA	Shallow	2	2	1	05	24S	32E	622748	3569233	

ATTACHMENT 2: LITHOLOGIC/SAMPLING LOG

WSP USA
508 West Stevens Street
Carlsbad, New Mexico 88220

BH or PH Name: BH01	Date: 11/10/2021
Site Name: Goldeneye 18 Federal Battery	
RP or Incident Number: NAPP2121819612	
WSP Job Number: 31403720.000	

LITHOLOGIC / SOIL SAMPLING LOG

Logged By: PB	Method: Hand Auger		
Lat/Long: 32.210671, -103.720908	Field Screening: Chloride, PID	Hole Diameter: 3"	Total Depth: 4'

Comments:

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0		
D	190.4	0.3	N	BH01	0.5	0.5	SP-SC	SAND, COARSE GRAIN, SOME CALICHE GRAVEL, SOME SILT, POORLY GRADED, BROWN, NO STAIN, NO ODOR
D	<156.8	0.1	N	BH01A	1	1	SP-SC	SAA, BUT NO CALICHE GRAVEL, MED-FINE GRAIN, MORE SILT
D	<156.8	0.2	N	BH01B	2	2	SP-SC	SAA, SOME CLAY
D	<156.8	0.0	N	BH01C	3	3	SP-SC	SAA
D	<156.8	0.0	N	BH01D	4	4	SP-SC	SAA

TD @ 4 ft bgs- Refusal

ATTACHMENT 3: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
ConocoPhillips Company	GOLDENEYE 18 FEDERAL BATTERY Lea County, New Mexico	NAPP2121819612

Photo No.	Date
1	October 25, 2021

View of hole found in tank battery liner.

Photo No.	Date
2	November 10, 2021

View of borehole location inside tank battery containment during delineation activities.

PHOTOGRAPHIC LOG		
ConocoPhillips Company	GOLDENEYE 18 FEDERAL BATTERY Lea County, New Mexico	NAPP2121819612

Photo No.	Date
3	November 10, 2021

View of borehole location inside tank battery containment

Photo No.	Date
4	November 10, 2021

View of borehole once delineation activities were complete.

ATTACHMENT 4: LABORATORY ANALYTICAL RESULTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1567-1
Laboratory Sample Delivery Group: 31403720.00
Client Project/Site: Goldeneye 18 Federal Battery

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
11/22/2021 11:07:53 AM

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

Client: WSP USA Inc.
Project/Site: Goldeneye 18 Federal Battery

Laboratory Job ID: 890-1567-1
SDG: 31403720.00

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1567-1
Project/Site: Goldeneye 18 Federal Battery SDG: 31403720.00

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc. Job ID: 890-1567-1
Project/Site: Goldeneye 18 Federal Battery SDG: 31403720.00

Job ID: 890-1567-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative
890-1567-1

Receipt
The samples were received on 11/11/2021 4:11 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C

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

GC Semi VOA
Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (MB 880-12334/1-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-12492 and analytical batch 880-12841 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

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

Client Sample Results

Client: WSP USA Inc.
Project/Site: Goldeneye 18 Federal Battery

Job ID: 890-1567-1
SDG: 31403720.00

Client Sample ID: BH01

Date Collected: 11/10/21 08:55
Date Received: 11/11/21 16:11
Sample Depth: 0.5

Lab Sample ID: 890-1567-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/15/21 10:53	11/16/21 19:38	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/15/21 10:53	11/16/21 19:38	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/15/21 10:53	11/16/21 19:38	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/15/21 10:53	11/16/21 19:38	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/15/21 10:53	11/16/21 19:38	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/15/21 10:53	11/16/21 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*	*11/15/21 10:53*	*11/16/21 19:38*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*11/15/21 10:53*	*11/16/21 19:38*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/18/21 16:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			11/17/21 13:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/15/21 13:33	11/15/21 22:29	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/15/21 13:33	11/15/21 22:29	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/15/21 13:33	11/15/21 22:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*11/15/21 13:33*	*11/15/21 22:29*	*1*
o-Terphenyl	*115*		*70 - 130*	*11/15/21 13:33*	*11/15/21 22:29*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**199**		5.04		mg/Kg			11/20/21 16:43	1

Client Sample ID: BH01A

Date Collected: 11/10/21 09:07
Date Received: 11/11/21 16:11
Sample Depth: 4

Lab Sample ID: 890-1567-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		11/15/21 10:53	11/16/21 19:59	1
Toluene	<0.00202	U	0.00202		mg/Kg		11/15/21 10:53	11/16/21 19:59	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		11/15/21 10:53	11/16/21 19:59	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		11/15/21 10:53	11/16/21 19:59	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		11/15/21 10:53	11/16/21 19:59	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		11/15/21 10:53	11/16/21 19:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*11/15/21 10:53*	*11/16/21 19:59*	*1*

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Goldeneye 18 Federal Battery

Job ID: 890-1567-1
SDG: 31403720.00

Client Sample ID: BH01A
Date Collected: 11/10/21 09:07
Date Received: 11/11/21 16:11
Sample Depth: 4

Lab Sample ID: 890-1567-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*11/15/21 10:53*	*11/16/21 19:59*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			11/18/21 16:13	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/17/21 13:26	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/15/21 13:33	11/15/21 23:30	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/15/21 13:33	11/15/21 23:30	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/15/21 13:33	11/15/21 23:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*98*		*70 - 130*	*11/15/21 13:33*	*11/15/21 23:30*	*1*
o-Terphenyl	*103*		*70 - 130*	*11/15/21 13:33*	*11/15/21 23:30*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**65.6**		5.01		mg/Kg			11/20/21 16:50	1

Surrogate Summary

Client: WSP USA Inc. Job ID: 890-1567-1
Project/Site: Goldeneye 18 Federal Battery SDG: 31403720.00

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-1567-1	BH01	93	99
890-1567-2	BH01A	96	77
890-1568-A-5-E MS	Matrix Spike	180 S1+	114
890-1568-A-5-F MSD	Matrix Spike Duplicate	127	102
LCS 880-12275/1-A	Lab Control Sample	111	95
LCSD 880-12275/2-A	Lab Control Sample Dup	121	98
MB 880-12275/5-A	Method Blank	125	108

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-1567-1	BH01	107	115
890-1567-1 MS	BH01	99	92
890-1567-1 MSD	BH01	97	91
890-1567-2	BH01A	98	103
LCS 880-12334/2-A	Lab Control Sample	106	104
LCSD 880-12334/3-A	Lab Control Sample Dup	84	82
MB 880-12334/1-A	Method Blank	130	140 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Goldeneye 18 Federal Battery

Job ID: 890-1567-1
SDG: 31403720.00

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-12275/5-A
Matrix: Solid
Analysis Batch: 12413

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12275

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/15/21 10:53	11/16/21 12:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/15/21 10:53	11/16/21 12:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/15/21 10:53	11/16/21 12:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/15/21 10:53	11/16/21 12:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/15/21 10:53	11/16/21 12:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/15/21 10:53	11/16/21 12:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*125*		*70 - 130*	*11/15/21 10:53*	*11/16/21 12:14*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*11/15/21 10:53*	*11/16/21 12:14*	*1*

Lab Sample ID: LCS 880-12275/1-A
Matrix: Solid
Analysis Batch: 12413

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12275

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08564		mg/Kg		86	70 - 130		
Toluene			0.100	0.08933		mg/Kg		89	70 - 130		
Ethylbenzene			0.100	0.09956		mg/Kg		100	70 - 130		
m-Xylene & p-Xylene			0.200	0.1887		mg/Kg		94	70 - 130		
o-Xylene			0.100	0.09021		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: LCSD 880-12275/2-A
Matrix: Solid
Analysis Batch: 12413

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12275

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.09333		mg/Kg		93	70 - 130	9	35
Toluene			0.100	0.1017		mg/Kg		102	70 - 130	13	35
Ethylbenzene			0.100	0.1012		mg/Kg		101	70 - 130	2	35
m-Xylene & p-Xylene			0.200	0.2020		mg/Kg		101	70 - 130	7	35
o-Xylene			0.100	0.09711		mg/Kg		97	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

Lab Sample ID: 890-1568-A-5-E MS
Matrix: Solid
Analysis Batch: 12413

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 12275

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00198	U F2	0.101	0.1033		mg/Kg		102	70 - 130		
Toluene	<0.00198	U F1 F2	0.101	0.1733	F1	mg/Kg		171	70 - 130		

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc. Job ID: 890-1567-1
Project/Site: Goldeneye 18 Federal Battery SDG: 31403720.00

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

Lab Sample ID: 890-1568-A-5-E MS **Client Sample ID: Matrix Spike**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 12413 **Prep Batch: 12275**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00198	U F2	0.101	0.1068		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	<0.00397	U F1	0.202	0.1796		mg/Kg		89	70 - 130
o-Xylene	<0.00198	U F1 F2	0.101	0.1016		mg/Kg		100	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*180*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*114*		*70 - 130*

Lab Sample ID: 890-1568-A-5-F MSD **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 12413 **Prep Batch: 12275**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00198	U F2	0.0998	0.07033	F2	mg/Kg		70	70 - 130	38	35
Toluene	<0.00198	U F1 F2	0.0998	0.07670	F2	mg/Kg		76	70 - 130	77	35
Ethylbenzene	<0.00198	U F2	0.0998	0.07422	F2	mg/Kg		74	70 - 130	36	35
m-Xylene & p-Xylene	<0.00397	U F1	0.200	0.1371	F1	mg/Kg		69	70 - 130	27	35
o-Xylene	<0.00198	U F1 F2	0.0998	0.04809	F1 F2	mg/Kg		47	70 - 130	71	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

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

Lab Sample ID: MB 880-12334/1-A **Client Sample ID: Method Blank**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 12235 **Prep Batch: 12334**

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/15/21 13:33	11/15/21 21:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/15/21 13:33	11/15/21 21:28	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/15/21 13:33	11/15/21 21:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*11/15/21 13:33*	*11/15/21 21:28*	*1*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*11/15/21 13:33*	*11/15/21 21:28*	*1*

Lab Sample ID: LCS 880-12334/2-A **Client Sample ID: Lab Control Sample**
Matrix: Solid **Prep Type: Total/NA**
Analysis Batch: 12235 **Prep Batch: 12334**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1036		mg/Kg		104	70 - 130
Diesel Range Organics (Over C10-C28)			1000	850.6		mg/Kg		85	70 - 130

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Goldeneye 18 Federal Battery

Job ID: 890-1567-1
SDG: 31403720.00

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

Lab Sample ID: LCS 880-12334/2-A
Matrix: Solid
Analysis Batch: 12235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12334

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: LCSD 880-12334/3-A
Matrix: Solid
Analysis Batch: 12235

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 12334

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	856.2		mg/Kg		86	70 - 130	19	20
Diesel Range Organics (Over C10-C28)			1000	708.1		mg/Kg		71	70 - 130	18	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	84		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: 890-1567-1 MS
Matrix: Solid
Analysis Batch: 12235

Client Sample ID: BH01
Prep Type: Total/NA
Prep Batch: 12334

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	997	1215		mg/Kg		122	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	997	869.6		mg/Kg		85	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 890-1567-1 MSD
Matrix: Solid
Analysis Batch: 12235

Client Sample ID: BH01
Prep Type: Total/NA
Prep Batch: 12334

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	998	1285		mg/Kg		129	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	863.4		mg/Kg		84	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	91		70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: Goldeneye 18 Federal Battery

Job ID: 890-1567-1
SDG: 31403720.00

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-12492/1-A
Matrix: Solid
Analysis Batch: 12841

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			11/20/21 14:15	1

Lab Sample ID: LCS 880-12492/2-A
Matrix: Solid
Analysis Batch: 12841

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	251.8		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-12492/3-A
Matrix: Solid
Analysis Batch: 12841

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			250	251.3		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 880-8300-A-1-B MS
Matrix: Solid
Analysis Batch: 12841

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	764	F1	250	971.7	F1	mg/Kg		83	90 - 110		

Lab Sample ID: 880-8300-A-1-C MSD
Matrix: Solid
Analysis Batch: 12841

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	764	F1	250	974.0	F1	mg/Kg		84	90 - 110	0	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: Goldeneye 18 Federal Battery

Job ID: 890-1567-1
SDG: 31403720.00

GC VOA

Prep Batch: 12275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1567-1	BH01	Total/NA	Solid	5035	
890-1567-2	BH01A	Total/NA	Solid	5035	
MB 880-12275/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-12275/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-12275/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1568-A-5-E MS	Matrix Spike	Total/NA	Solid	5035	
890-1568-A-5-F MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 12413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1567-1	BH01	Total/NA	Solid	8021B	12275
890-1567-2	BH01A	Total/NA	Solid	8021B	12275
MB 880-12275/5-A	Method Blank	Total/NA	Solid	8021B	12275
LCS 880-12275/1-A	Lab Control Sample	Total/NA	Solid	8021B	12275
LCSD 880-12275/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	12275
890-1568-A-5-E MS	Matrix Spike	Total/NA	Solid	8021B	12275
890-1568-A-5-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	12275

Analysis Batch: 12693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1567-1	BH01	Total/NA	Solid	Total BTEX	
890-1567-2	BH01A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 12235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1567-1	BH01	Total/NA	Solid	8015B NM	12334
890-1567-2	BH01A	Total/NA	Solid	8015B NM	12334
MB 880-12334/1-A	Method Blank	Total/NA	Solid	8015B NM	12334
LCS 880-12334/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	12334
LCSD 880-12334/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	12334
890-1567-1 MS	BH01	Total/NA	Solid	8015B NM	12334
890-1567-1 MSD	BH01	Total/NA	Solid	8015B NM	12334

Prep Batch: 12334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1567-1	BH01	Total/NA	Solid	8015NM Prep	
890-1567-2	BH01A	Total/NA	Solid	8015NM Prep	
MB 880-12334/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-12334/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-12334/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1567-1 MS	BH01	Total/NA	Solid	8015NM Prep	
890-1567-1 MSD	BH01	Total/NA	Solid	8015NM Prep	

Analysis Batch: 12574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1567-1	BH01	Total/NA	Solid	8015 NM	
890-1567-2	BH01A	Total/NA	Solid	8015 NM	

QC Association Summary

Client: WSP USA Inc.
Project/Site: Goldeneye 18 Federal Battery

Job ID: 890-1567-1
SDG: 31403720.00

HPLC/IC

Leach Batch: 12492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1567-1	BH01	Soluble	Solid	DI Leach	
890-1567-2	BH01A	Soluble	Solid	DI Leach	
MB 880-12492/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-12492/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-12492/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-8300-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
880-8300-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 12841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1567-1	BH01	Soluble	Solid	300.0	12492
890-1567-2	BH01A	Soluble	Solid	300.0	12492
MB 880-12492/1-A	Method Blank	Soluble	Solid	300.0	12492
LCS 880-12492/2-A	Lab Control Sample	Soluble	Solid	300.0	12492
LCSD 880-12492/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	12492
880-8300-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	12492
880-8300-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	12492

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Goldeneye 18 Federal Battery

Job ID: 890-1567-1
SDG: 31403720.00

Client Sample ID: BH01

Date Collected: 11/10/21 08:55
Date Received: 11/11/21 16:11

Lab Sample ID: 890-1567-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	12275	11/15/21 10:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12413	11/16/21 19:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	12334	11/15/21 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12235	11/15/21 22:29	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	12492	11/17/21 07:54	CA	XEN MID
Soluble	Analysis	300.0		1			12841	11/20/21 16:43	CH	XEN MID

Client Sample ID: BH01A

Date Collected: 11/10/21 09:07
Date Received: 11/11/21 16:11

Lab Sample ID: 890-1567-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	12275	11/15/21 10:53	KL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	12413	11/16/21 19:59	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			12693	11/18/21 16:13	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			12574	11/17/21 13:26	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	12334	11/15/21 13:33	DM	XEN MID
Total/NA	Analysis	8015B NM		1			12235	11/15/21 23:30	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	12492	11/17/21 07:54	CA	XEN MID
Soluble	Analysis	300.0		1			12841	11/20/21 16:50	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: Goldeneye 18 Federal Battery

Job ID: 890-1567-1
SDG: 31403720.00

Laboratory: Eurofins Xenco, Midland

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

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

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

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

Method Summary

Client: WSP USA Inc.
Project/Site: Goldeneye 18 Federal Battery

Job ID: 890-1567-1
SDG: 31403720.00

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

Protocol References:

ASTM = ASTM International

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

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Goldeneye 18 Federal Battery

Job ID: 890-1567-1
SDG: 31403720.00

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1567-1	BH01	Solid	11/10/21 08:55	11/11/21 16:11	0.5
890-1567-2	BH01A	Solid	11/10/21 09:07	11/11/21 16:11	4

Chain of Custody

XENCO LABORATORIES

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

Work Order No: _____

www.xenco.com Page 1 of 1

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

Work Order Comments

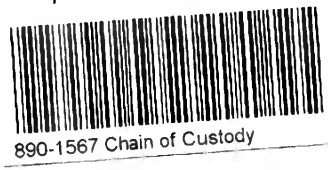
Program: UST/PST ☐ RP ☐ Brownfields ☐ RC ☐ Superfund ☐
State of Project:
Reporting:Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Goldeneye 18 Federal Battery	Turn Around	
Project Number:	31403720.00	Routine	☒
P.O. Number:		Rush:	
Sampler's Name:	Payton Benner	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Temperature (°C):	1.8 / 1.2	Thermometer ID		
Received Intact:	(Yes) No	T-NM-007		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)
BH01	S	11/10/21	8:55	0.5'	1	X	X	X
BH01A	S	11/10/21	9:07	4'	1	X	X	X

ANALYSIS REQUEST



Work Order Notes

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

Sample Comments

Discrete
Discrete

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

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

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

Revised Date 051418 Rev 2018 1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1567-1
SDG Number: 31403720.00

Login Number: 1567
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1567-1
SDG Number: 31403720.00

Login Number: 1567
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 11/15/21 10:22 AM

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

Sample Summary

Client: WSP USA Inc.
Project/Site: Vast East CTB

Job ID: 890-1419-1
SDG: 31402909.12

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1419-1	BH01	Solid	10/12/21 09:26	10/14/21 08:21	0.5
890-1419-2	BH01A	Solid	10/12/21 09:29	10/14/21 08:21	1
890-1419-3	BH01B	Solid	10/12/21 09:33	10/14/21 08:21	2

Chain of Custody

XENCO LABORATORIES

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

Work Order No: _____

www.xenco.com Page 1 of 1

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

Work Order Comments

Program: UST/PST ☐RP ☐rownfields ☐RC ☐perfund ☐
State of Project:
Reporting:Level II ☐evel III ☐T/UST ☐RP L☐vel IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Vast East CTB	Turn Around	
Project Number:	31402909.12	Routine ☐	
P.O. Number:		Rush: 3 day	
Sampler's Name:	Payton Benner	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Temperature (°C):	5.2 / 5.0	Thermometer ID		
Received Intact:	(Yes) No	T-[illegible]-007		
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

ANALYSIS REQUEST

890-1419 Chain of Custody

Work Order Notes

NAPP2124347654

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

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
BH01	S	10/12/2021	9:26	0.5'	1	X	X	X	Discrete
BH01A	S	10/12/2021	9:29	1'	1	X	X	X	Discrete
BH01B	S	10/12/2021	9:33	2'	1	X	X	X	Discrete
BH01C	S	10/12/2021	9:40	2.5'	1	X	X	X	Discrete

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

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 pbenner	N. Ott	10/14/21 8:21	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: Kramer, Jessica	Carrier Tracking No(s)	COC No: 890-462.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jessica kramer@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Xenco		Accreditations Required (See note): NELAP - Louisiana, NELAP - Texas		Job #: 890-1419-1
Address: 1211 W Florida Ave,	Due Date Requested: 10/19/2021			
City: Midland	TAT Requested (days):			
State Zip: TX, 79701				
Phone: 432-704-5440(Tel)	PO #:			
Email	WO #:			
Project Name: Vast East CTB	Project #: 89000048			
Site:	SSOW#:			

Analysis Requested

Preservation Codes.

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

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_NM/8015NM_S_Prep Full TPH	300_ORGFM_28D/DI_LEACH Chloride	8021B/5035FP_Calc BTEX	Total_BTEX_GCV	8015MOD_Calc	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
BH01 (890-1419-1)	10/12/21	09 26 Mountain		Solid			X	X	X	X	X	1	
BH01A (890-1419-2)	10/12/21	09 29 Mountain		Solid			X	X	X	X	X	1	
BH01B (890-1419-3)	10/12/21	09 33 Mountain		Solid			X	X	X	X	X	1	
BH01C (890-1419-4)	10/12/21	09 40 Mountain		Solid			X	X	X	X	X	1	

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

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

Empty Kit Relinquished by	Date	Time:	Method of Shipment:

	Relinquished by: Cruz Cruz 10.14.21	Date/Time:	Company	Received by: Kramer	Date/Time: 10.15.21	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1156	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No	Cooler Temperature(s) °C and Other Remarks: 2 6/2.7

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1419-1
SDG Number: 31402909.12

Login Number: 1419
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Xenco, Carlsbad

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1419-1
SDG Number: 31402909.12

Login Number: 1419
List Number: 2
Creator: Kramer, Jessica

List Source: Eurofins Xenco, Midland
List Creation: 10/15/21 12:05 PM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.6/2.7
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

ATTACHMENT 5: FINAL C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
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

Latitude _____ Longitude _____
(NAD 83 in decimal degrees to 5 decimal places)

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

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		

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Initial Response

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

☐ The source of the release has been stopped.
☐ The impacted area has been secured to protect human health and the environment.
☐ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☐ All free liquids and recoverable materials have been removed and managed appropriately.

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

L48 Spill Volume Estimate Form

Facility Name & Number:	Goldeneye 18 fed battery
Asset Area:	DBE
Release Discovery Date & Time:	7/20/2021, 9:30
Release Type:	Produced Water
Provide any known details about the event:	hole in tank/ 8.9bbls produced water/ found leak 24 hours from last checked

Spill Calculation - Subsurface Spill - Rectangle

Was the release on pad or off-pad?	See reference table below
Has it rained at least a half inch in the last 24 hours?	See reference table below

Convert Irregular shape into a series of rectangles	Length (ft.)	Width (ft.)	Depth (in.)	Soil Spilled-Fluid Saturation	Estimated volume of each area (bbl.)	Total Estimated Volume of Spill (bbl.)	Percentage of Oil if Spilled Fluid is a Mixture	Total Estimated Volume of Spilled Oil (bbl.)	Total Estimated Volume of Spilled Liquid other than Oil (bbl.)
Rectangle A	60.0	10.0	1.00	100.00%	8.900	8.900			
Rectangle B					0.000	0.000			
Rectangle C					0.000	0.000			
Rectangle D					0.000	0.000			
Rectangle E					0.000	0.000			
Rectangle F					0.000	0.000			
Rectangle G					0.000	0.000			
Rectangle H					0.000	0.000			
Rectangle I					0.000	0.000			
Rectangle J					0.000	0.000			
					Total Volume Release:	8.900			

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2121819612
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?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2121819612
District RP	
Facility ID	
Application ID	

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

Printed Name: Kelsy Waggaman Title: Environmental Coordinator

Signature: Kelsy Waggaman Date: 12/2/21

email: kelsy.waggaman@conocophillips.com Telephone: (505) 577-9071

OCD Only

Received by: Date:

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2121819612
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: ***Each of the following items must be included in the closure report.***

☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC

☒ Photographs of the remediated site prior to backfill or 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: Kelsy Waggaman Date: 12/2/21

email: kelsy.waggaman@conocophillips.com Telephone: (505) 577-9071

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
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Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
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CONDITIONS

Action 65955

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 65955
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	1/4/2022