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	nAPP2132244500
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 total dissolved solids (TDS) 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	nAPP2132244500
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: Adrian Bates Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Location:	**JRU DI 1A Battery**	
Spill Date:	**11/12/2021**	
Area 1		
Approximate Area =	11.00	sq. ft.
Average Saturation (or depth) of spill =	0.25	inches
Average Porosity Factor =	0.20	
VOLUME OF LEAK		
Total Condensate=	0.01	bbls
Total Produced Water =	0.00	bbls
TOTAL VOLUME OF LEAK		
Total Condensate =	**0.01**	**bbls**
Total Produced Water =	**0.00**	**bbls**
TOTAL VOLUME RECOVERED		
Total Condensate=	**0.00**	**bbls**
Total Produced Water =	**0.00**	**bbls**

Incident ID	nAPP2132244500
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	nAPP2132244500
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: _____Adrian Baker_____ Title: _____Environmental Coordinator_____

Signature: _____ _____ Date: _____02/10/2022_____

Email: _____adrian.baker@exxonmobil.com_____ Telephone: _____432-236-3808_____

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2132244500
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: Adrian Baker Title: Environmental Coordinator

Signature: Adrian Baker Date: 02/10/2022

email: adrian.baker@exxonmobil.com Telephone: (432)-236-3808

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: Jennifer Nobui Date: 02/16/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

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

February 10, 2022

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

RE: Closure Request
JRU DI 1A Tank Battery
Incident Number nAPP2132244500
Eddy County, New Mexico

To Whom it May Concern:

WSP USA Inc. (WSP) on behalf of XTO Energy, Inc. (XTO), presents the following Closure Request detailing site assessment and soil sampling activities at the JRU DI 1A Tank Battery (Site) in Unit F, Section 21, Township 22 South, Range 30 East, in Eddy 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 small condensate release and flare fire at the Site. Based on the site assessment activities and laboratory analytical results from the soil sampling event, XTO is submitting this Closure Request, and requesting no further action (NFA) for Incident Number nAPP2132244500.

RELEASE BACKGROUND

On November 12, 2021, a back pressure valve failed, resulting in the release of 0.01 barrels (bbls) of condensate through the flare stack which resulted in a small fire. The fire extinguished itself on the ground and there were no fluids to recover. XTO reported the release immediately via email to the New Mexico Oil Conservation Division (NMOCD) and submitted a Release Notification Form C-141 (Form C-141) on November 18, 2021. The release was assigned Incident Number nAPP2132244500.

SITE CHARACTERIZATION

WSP characterized the Site according to Table 1, *Closure Criteria for Soils Impacted by a Release*, of Title 19, Chapter 15, Part 29, Section 12 (19.15.29.12) of the New Mexico Administrative Code (NMAC). Depth to groundwater at the Site is estimated to be 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 the New Mexico Office of the State Engineer (NMOSE) well C-03015, located approximately 0.95 miles southeast of the Site. The groundwater well has a reported depth to groundwater of 262 feet bgs and a total depth of 1,316 feet bgs. Ground surface elevation at the groundwater well location is 3,285 feet above mean sea level (amsl),

which is approximately 118 feet higher in elevation than the Site. 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 dry wash, located approximately 843 feet southwest of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, 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 underlain by unstable geology (high 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): 100 mg/kg
- Chloride: 600 mg/kg

SITE ASSESSMENT AND DELINEATION ACTIVITIES

On January 7, 2022, WSP personnel visited the Site to evaluate the flare fire release extent based on information provided on the Form C-141, visual observations, and information provided by on-site XTO personnel. One pothole (PH01) was advanced to a depth of 1-foot bgs beneath the flare at the location of the fire, to assess for the presence or absence of impacted soil. Delineation soil samples PH01 and PH01A were collected from the pothole at depths of 0.5 feet bgs and 1-foot bgs, respectively. The delineation soil samples were field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photoionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. The flare and soil sample locations were mapped utilizing a handheld Global Positioning System (GPS) unit and are depicted on Figure 2. Field screening results and observations for the soil samples were logged on a lithologic/soil sampling log, which is included in Attachment 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 PH01 and PH01A indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Site Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical report is included as Attachment 4.

CLOSURE REQUEST

Site assessment activities were conducted at the Site to assess for the presence or absence of impacted soil resulting from the November 12, 2021 condensate release and flare fire. Laboratory analytical results for the soil samples collected within the release extent, indicated that benzene, BTEX, TPH, and chloride concentrations were compliant with the Closure Criteria. Based on the soil sample analytical results, no impacted soil was identified, and no further remediation was required. As such, XTO respectfully requests NFA for Incident Number nAPP2132244500.

If you have any questions or comments, please do not hesitate to contact Ms. Aimee Cole at (720) 384-7365.

Sincerely,

WSP USA Inc.

Nihaar Katoch
Assistant Consultant, Geologist

Aimee Cole
Senior Consultant, Environmental Scientist

cc: Shelby Pennington, XTO
Adrian Baker, XTO
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

FIGURES

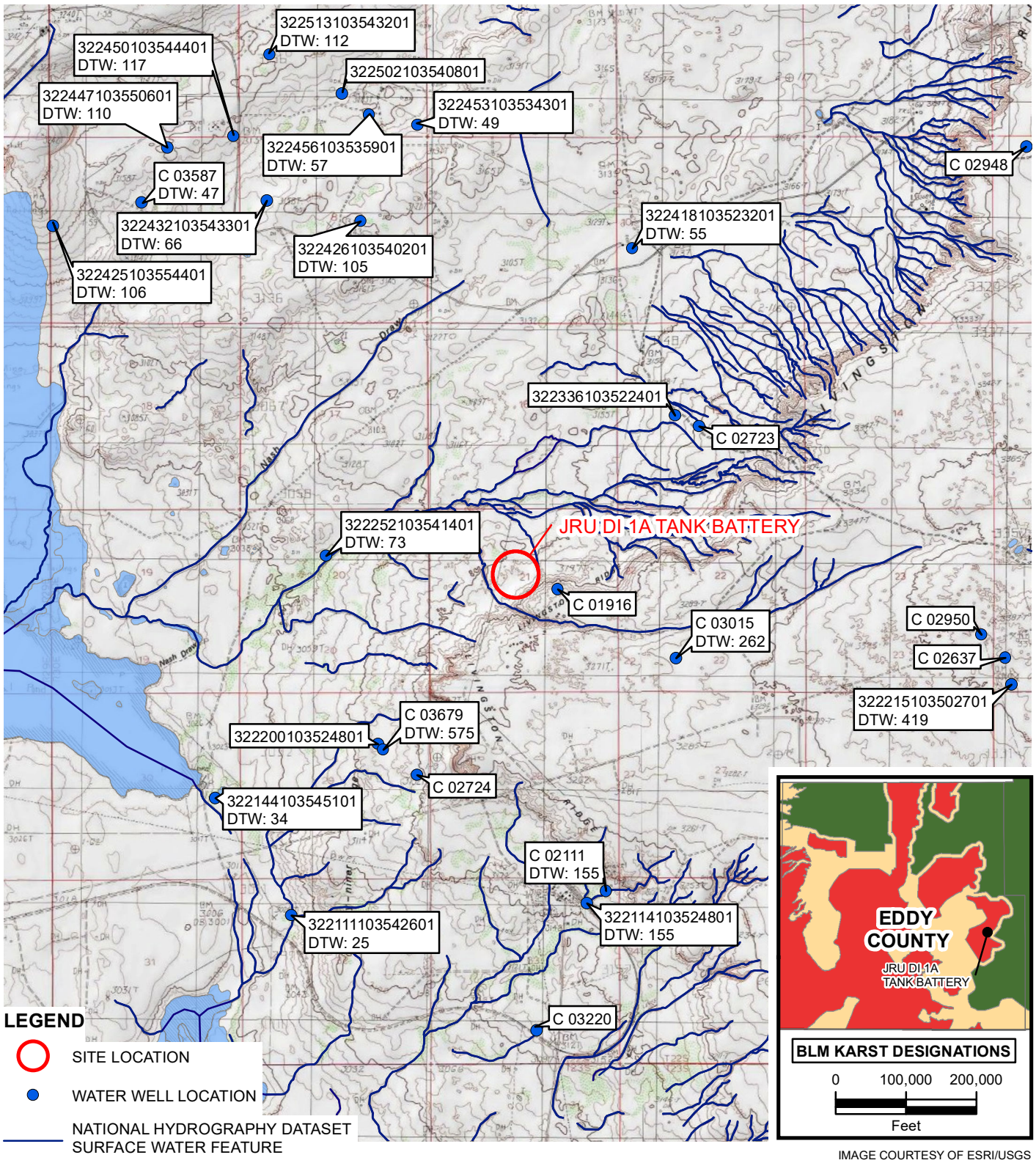


FIGURE 1
SITE LOCATION MAP
JRU DI 1A TANK BATTERY
UNIT F SEC 21 T22S R30E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC

P:\XTO Energy\GIS\31403236.020.0129.14_JRU DI 1A\MXD\31403236.020.0129.14_FIG01_SL_RECEPTOR_2021.mxd

LEGEND

- DELINEATION SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA
- FLARE STACK
- GAS LINE
- RELEASE EXTENT

NOTE: INCIDENT NUMBER NAPP2132244500
SAMPLE ID@DEPTH BELOW GROUND SURFACE (FEET)

IMAGE COURTESY OF ESRI

0 20 40
Feet

N

FIGURE 2
DELINEATION SOIL SAMPLE LOCATIONS
JRU DI 1A TANK BATTERY
UNIT F SEC 21 T22S R30E
EDDY COUNTY, NEW MEXICO
XTO ENERGY, INC.

wsp

P:\XTO Energy\GIS\31403236.020.0129.14_JRU DI 1A\MXD\31403236.020.0129.14_FIG02_DELINEATION_2022.mxd

TABLES

Table 1

Soil Analytical Results
JRU DI 1A Tank Battery
Incident Number: nAPP2132244500
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft bgs)	Benzene (mg/kg)	BTEX (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (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	NE	**100**	**600**
Delineation Soil Samples										
PH01	01/07/2022	0.5	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	29.3
PH01A	01/07/2022	1	<0.00198	<0.00396	<50.0	<50.0	<50.0	<50.0	<50.0	15.8

NOTES:

ft - feet/foot
mg/Kg - milligrams per kilogram
bgs - below ground surface
GRO - Gasoline range organics
DRO - Diesel range organics
ORO - Oil range organics
BTEX - Benzene, Toluene, Ethylbenzene, and Total Xylenes
TPH - Total petroleum hydrocarbons
< - indicates result is less than the stated laboratory method practical quantitation limit
NE - Not Established
NMOCD - New Mexico Oil Conservation Division
NMAC - New Mexico Administrative Code

ATTACHMENT 1: REFERENCED WELL RECORDS

New Mexico Office of the State Engineer
Water Right Summary

WR File Number: C 03015 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

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

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

Owner: U.S. DEPT OF ENERGY - WIPP

Contact: HAROLD JOHNSON

Documents on File

Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
288525	EXPL	2003-11-25	PMT	LOG	C 03015 MONITORING WELL	T	0	0	

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 03015		Artesian	1	4	3	22	22S	30E	606099	3582353*	

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

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0	0		MON		GW	

New Mexico Office of the State Engineer
Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

Well Tag	POD Number	Q64	Q16	Q4	Sec	Twn	Rng	X	Y
	C 03015	1	4	3	22	22S	30E	606099	3582353*

Driller License:	331	**Driller Company:**	SBQ2, LLC DBA STEWART BROTHERS DRILLING CO.		
Driller Name:					
Drill Start Date:	01/21/2004	**Drill Finish Date:**	01/25/2004	**Plug Date:**	
Log File Date:	03/04/2004	**PCW Rcv Date:**		**Source:**	Artesian
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	
Casing Size:	6.00	**Depth Well:**	1316 feet	**Depth Water:**	262 feet

Water Bearing Stratifications:	Top	Bottom	Description
	362	385	Other/Unknown

Casing Perforations:	Top	Bottom
	261	386

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

National Water Information System: Web Interface

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

Click forNews Bulletins

USGS 322252103541401 22S.30E.20.12310

Available data for this site SUMMARY OF ALL AVAILABLE DATA GO

Well Site

DESCRIPTION:

Latitude 32°22'52", Longitude 103°54'14" NAD27
Eddy County, New Mexico , Hydrologic Unit 13060011
Well depth: 129 feet
Land surface altitude: 3,065 feet above NAVD88.
Well completed in "Other aquifers" (N9999OTHER) national aquifer.
Well completed in "Rustler Formation" (312RSLR) local aquifer

AVAILABLE DATA:

Data Type	Begin Date	End Date	Count
Field groundwater-level measurements	1952-02-26	1959-02-19	2
Revisions	Unavailable (site:0) (timeseries:0)		

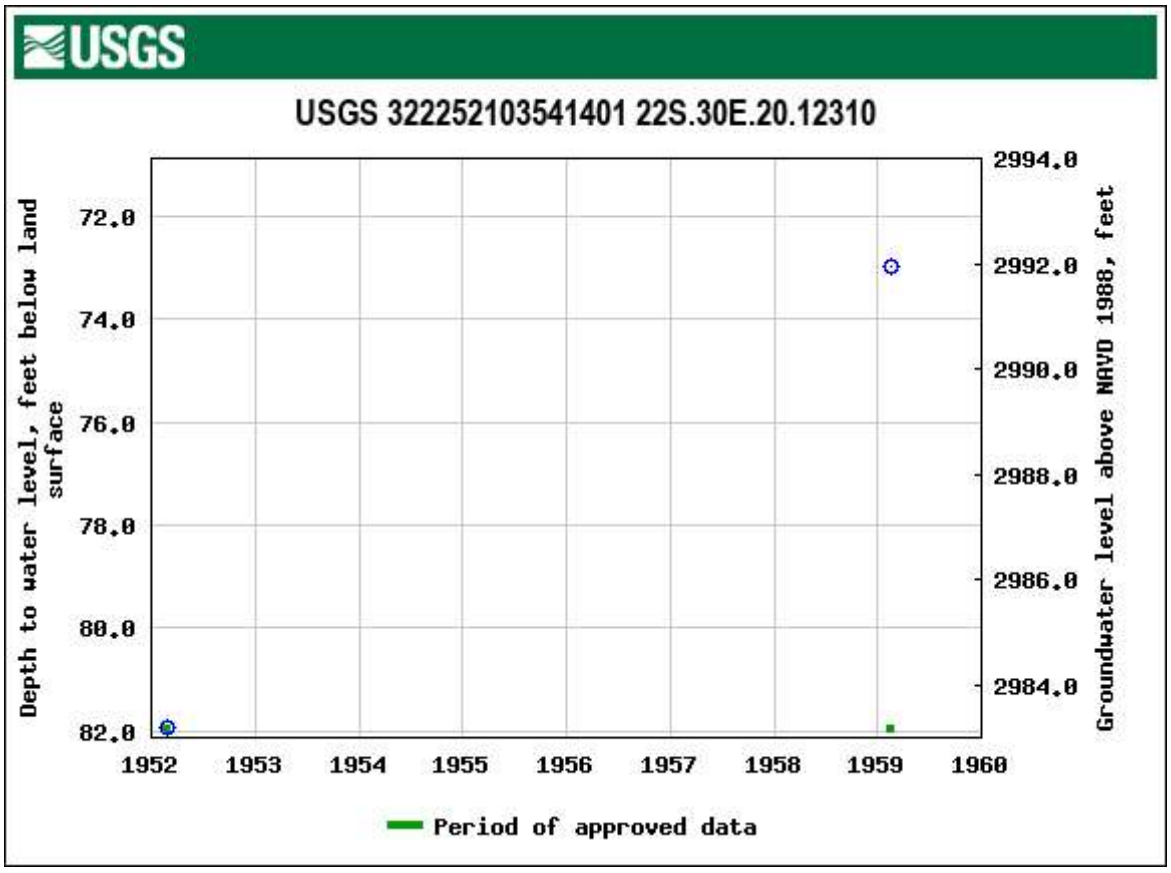
OPERATION:

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

---

agency_code=USGS&site_no=322252103541401

Page Contact Information: New Mexico Water Data Support Team
Page Last Modified: 2021-12-16 15:20:23 EST
0.28 0.26 sdww02


USGS
USGS 322252103541401 22S.30E.20.12310
Depth to water level, feet below land surface
72.0
74.0
76.0
78.0
80.0
82.0
Groundwater level above NAVD 1988, feet
2994.0
2992.0
2990.0
2988.0
2986.0
2984.0
1952
1953
1954
1955
1956
1957
1958
1959
1960
Period of approved data

ATTACHMENT 2: LITHOLOGIC/SAMPLING LOG

WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220	BH or PH Name: **PH01**	Date: **01-07-2022**
	Site Name: **JRU DI 1A Tank Battery**	
	RP or Incident Number: **NAPP2132244500**	
	WSP Job Number: **31403236.020.0129**	
LITHOLOGIC / SOIL SAMPLING LOG	Logged By: **MR**	Method: **Backhoe**
Lat/Long: **32.37987, -103.88678** Field Screening: Hach chloride strips, PID	Hole Diameter:	Total Depth: **1 feet**

Comments: All chloride field screenings include a 40% correction factor
M-moist; D-dry; Y-yes; N-no

Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
						0		
M	<132	0.4	N	PH01	0.5		SM	SILTY SAND, poorly graded sand, moist, no staining, no odor, non-plastic fine brown sand
M	<132	0.2	N	PH01A	1	1	SM	SILTY SAND, poorly graded sand, moist, no staining, no odor, non-plastic fine brown sand

TD @ 1 ft bgs

ATTACHMENT 3: PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG		
XTO Energy	JRU DI 1A Tank Battery Eddy County, New Mexico	nAPP2132244500

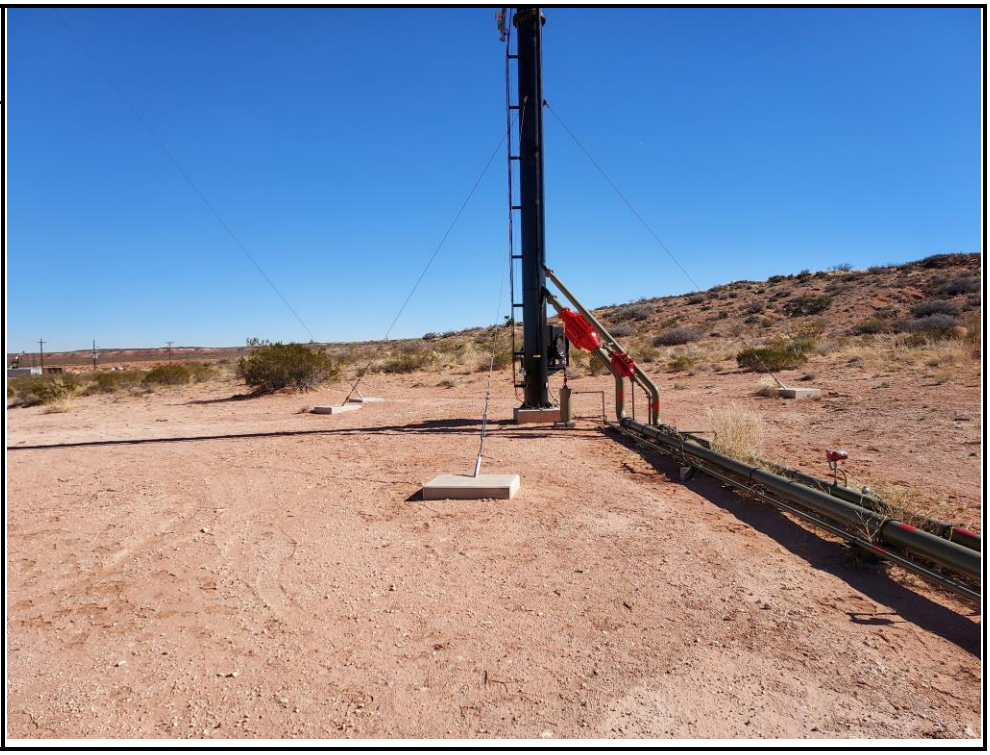
Photo No.	Date
1	January 7, 2022

West facing view of flare stack during the initial site assessment.

PHOTOGRAPHIC LOG		
XTO Energy	JRU DI 1A Tank Battery Eddy County, New Mexico	nAPP2132244500

Photo No.	Date
2	January 7, 2022

East facing view of flare stack after delineation activities



ATTACHMENT 4: LABORATORY ANALYTICAL REPORTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-1810-1
Laboratory SDG: 31403236.020.0129 TASK 14.02
Client Project/Site: JRU DI 1A
Revision: 2

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

Attn: Kalei Jennings

JKramer

Authorized for release by:
1/24/2022 2:54:01 PM

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

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

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

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Laboratory Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

Table of Contents

Definitions/Glossary

Client: WSP USA Inc. Job ID: 890-1810-1
Project/Site: JRU DI 1A SDG: 31403236.020.0129 TASK 14.02

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

Job ID: 890-1810-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-1810-1

REVISION

The report being provided is a revision of the original report sent on 1/14/2022. The report (revision 2) is being revised due to Per client email, corrected sample depth for PH01 to 0.5'.

Report revision history

The report being provided is a revision of the original report sent on 1/14/2022. The report (revision 2) is being revised due to Per client email, corrected sample depth for PH01 to 0.5'.
Revision 1 - 1/14/2022 - Reason - PH reported on final report in error.

Receipt
The samples were received on 1/7/2022 2:17 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 3.2°C

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

GC Semi VOA
Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-16424 and analytical batch 880-16336 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: PH01A (890-1810-2), (880-10005-A-48-D), (880-10005-A-48-E MS) and (880-10005-A-48-F MSD). Evidence of matrix interferences is not obvious.

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

HPLC/IC
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: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

Client Sample ID: PH01
Date Collected: 01/07/22 12:04
Date Received: 01/07/22 14:17
Sample Depth: 0.5

Lab Sample ID: 890-1810-1
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/11/22 07:30	01/11/22 13:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/11/22 07:30	01/11/22 13:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/11/22 07:30	01/11/22 13:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/11/22 07:30	01/11/22 13:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/11/22 07:30	01/11/22 13:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/11/22 07:30	01/11/22 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*01/11/22 07:30*	*01/11/22 13:27*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*01/11/22 07:30*	*01/11/22 13:27*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			01/12/22 13:10	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			01/12/22 14:00	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		01/10/22 11:18	01/11/22 00:47	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		01/10/22 11:18	01/11/22 00:47	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		01/10/22 11:18	01/11/22 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*70 - 130*	*01/10/22 11:18*	*01/11/22 00:47*	*1*
o-Terphenyl	*93*		*70 - 130*	*01/10/22 11:18*	*01/11/22 00:47*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**29.3**		4.95		mg/Kg			01/13/22 21:52	1

Client Sample ID: PH01A
Date Collected: 01/07/22 12:06
Date Received: 01/07/22 14:17
Sample Depth: 1

Lab Sample ID: 890-1810-2
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		01/11/22 07:30	01/11/22 13:48	1
Toluene	<0.00198	U	0.00198		mg/Kg		01/11/22 07:30	01/11/22 13:48	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		01/11/22 07:30	01/11/22 13:48	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		01/11/22 07:30	01/11/22 13:48	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		01/11/22 07:30	01/11/22 13:48	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		01/11/22 07:30	01/11/22 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*01/11/22 07:30*	*01/11/22 13:48*	*1*

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Client Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

Client Sample ID: PH01A

Date Collected: 01/07/22 12:06
Date Received: 01/07/22 14:17
Sample Depth: 1

Lab Sample ID: 890-1810-2

Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*01/11/22 07:30*	*01/11/22 13:48*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			01/12/22 13:10	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			01/12/22 14:00	1

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		01/11/22 13:47	01/12/22 02:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/22 13:47	01/12/22 02:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/22 13:47	01/12/22 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*59*	*S1-*	*70 - 130*	*01/11/22 13:47*	*01/12/22 02:00*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*01/11/22 13:47*	*01/12/22 02:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15.8**		5.00		mg/Kg			01/13/22 21:59	1

Surrogate Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

Method: 8021B - Volatile Organic Compounds (GC)

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

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-1808-A-1-A MS	Matrix Spike	113	97
890-1808-A-1-B MSD	Matrix Spike Duplicate	114	99
890-1810-1	PH01	117	106
890-1810-2	PH01A	107	99
LCS 880-16375/1-A	Lab Control Sample	106	102
LCSD 880-16375/2-A	Lab Control Sample Dup	100	95
MB 880-16375/5-A	Method Blank	122	104

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-10005-A-48-E MS	Matrix Spike	65 S1-	61 S1-
880-10005-A-48-F MSD	Matrix Spike Duplicate	67 S1-	64 S1-
890-1808-A-1-E MS	Matrix Spike	75	66 S1-
890-1808-A-1-F MSD	Matrix Spike Duplicate	77	75
890-1810-1	PH01	94	93
890-1810-2	PH01A	59 S1-	62 S1-
LCS 880-16541/2-A	Lab Control Sample	94	92
LCSD 880-16541/3-A	Lab Control Sample Dup	97	93
MB 880-16541/1-A	Method Blank	71	76

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO2	OTPH2
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
LCS 880-16424/2-A	Lab Control Sample	88	82
LCSD 880-16424/3-A	Lab Control Sample Dup	90	85
MB 880-16424/1-A	Method Blank	85	86

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-16375/5-A
Matrix: Solid
Analysis Batch: 16473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16375

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		01/11/22 07:30	01/11/22 10:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		01/11/22 07:30	01/11/22 10:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		01/11/22 07:30	01/11/22 10:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		01/11/22 07:30	01/11/22 10:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		01/11/22 07:30	01/11/22 10:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		01/11/22 07:30	01/11/22 10:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*01/11/22 07:30*	*01/11/22 10:56*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*01/11/22 07:30*	*01/11/22 10:56*	*1*

Lab Sample ID: LCS 880-16375/1-A
Matrix: Solid
Analysis Batch: 16473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16375

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.100	0.08315		mg/Kg		83	70 - 130		
Toluene			0.100	0.08870		mg/Kg		89	70 - 130		
Ethylbenzene			0.100	0.09339		mg/Kg		93	70 - 130		
m-Xylene & p-Xylene			0.200	0.1861		mg/Kg		93	70 - 130		
o-Xylene			0.100	0.08889		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-16375/2-A
Matrix: Solid
Analysis Batch: 16473

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16375

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.100	0.07953		mg/Kg		80	70 - 130	4	35
Toluene			0.100	0.08523		mg/Kg		85	70 - 130	4	35
Ethylbenzene			0.100	0.08496		mg/Kg		85	70 - 130	9	35
m-Xylene & p-Xylene			0.200	0.1720		mg/Kg		86	70 - 130	8	35
o-Xylene			0.100	0.08408		mg/Kg		84	70 - 130	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: 890-1808-A-1-A MS
Matrix: Solid
Analysis Batch: 16473

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 16375

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene	<0.00202	U	0.0996	0.07065		mg/Kg		71	70 - 130		
Toluene	<0.00202	U	0.0996	0.08138		mg/Kg		81	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

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

Lab Sample ID: 890-1808-A-1-A MS
Matrix: Solid
Analysis Batch: 16473

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 16375

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	<0.00202	U	0.0996	0.08297		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	<0.00403	U	0.199	0.1604		mg/Kg		81	70 - 130
o-Xylene	<0.00202	U	0.0996	0.07909		mg/Kg		79	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-1808-A-1-B MSD
Matrix: Solid
Analysis Batch: 16473

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 16375

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	<0.00202	U	0.100	0.07696		mg/Kg		77	70 - 130	9	35
Toluene	<0.00202	U	0.100	0.08435		mg/Kg		84	70 - 130	4	35
Ethylbenzene	<0.00202	U	0.100	0.08810		mg/Kg		88	70 - 130	6	35
m-Xylene & p-Xylene	<0.00403	U	0.200	0.1699		mg/Kg		85	70 - 130	6	35
o-Xylene	<0.00202	U	0.100	0.08222		mg/Kg		82	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

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

Lab Sample ID: MB 880-16424/1-A
Matrix: Solid
Analysis Batch: 16336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16424

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		01/10/22 11:18	01/10/22 20:35	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/10/22 11:18	01/10/22 20:35	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/10/22 11:18	01/10/22 20:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*85*		*70 - 130*	*01/10/22 11:18*	*01/10/22 20:35*	*1*
o-Terphenyl	*86*		*70 - 130*	*01/10/22 11:18*	*01/10/22 20:35*	*1*

Lab Sample ID: LCS 880-16424/2-A
Matrix: Solid
Analysis Batch: 16336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16424

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO)-C6-C10			1000	826.7		mg/Kg		83	70 - 130
Diesel Range Organics (Over C10-C28)			1000	915.4		mg/Kg		92	70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

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

Lab Sample ID: LCS 880-16424/2-A
Matrix: Solid
Analysis Batch: 16336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16424

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	82		70 - 130

Lab Sample ID: LCSD 880-16424/3-A
Matrix: Solid
Analysis Batch: 16336

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16424

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	841.5		mg/Kg		84	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	916.2		mg/Kg		92	70 - 130	0	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	90		70 - 130
o-Terphenyl	85		70 - 130

Lab Sample ID: 890-1808-A-1-E MS
Matrix: Solid
Analysis Batch: 16336

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 16424

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	977.5		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	851.8		mg/Kg		86	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	75		70 - 130
o-Terphenyl	66	S1-	70 - 130

Lab Sample ID: 890-1808-A-1-F MSD
Matrix: Solid
Analysis Batch: 16336

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 16424

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	<49.9	U	999	1093		mg/Kg		107	70 - 130	11	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	862.8		mg/Kg		86	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	77		70 - 130
o-Terphenyl	75		70 - 130

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

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

Lab Sample ID: MB 880-16541/1-A
Matrix: Solid
Analysis Batch: 16483

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16541

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		01/11/22 13:47	01/11/22 22:28	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		01/11/22 13:47	01/11/22 22:28	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		01/11/22 13:47	01/11/22 22:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*01/11/22 13:47*	*01/11/22 22:28*	*1*
o-Terphenyl	*76*		*70 - 130*	*01/11/22 13:47*	*01/11/22 22:28*	*1*

Lab Sample ID: LCS 880-16541/2-A
Matrix: Solid
Analysis Batch: 16483

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16541

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	782.0		mg/Kg		78	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	894.0		mg/Kg		89	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*92*		*70 - 130*

Lab Sample ID: LCSD 880-16541/3-A
Matrix: Solid
Analysis Batch: 16483

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 16541

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	840.1		mg/Kg		84	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	979.9		mg/Kg		98	70 - 130	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Lab Sample ID: 880-10005-A-48-E MS
Matrix: Solid
Analysis Batch: 16483

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 16541

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	996	728.1		mg/Kg		71	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U	996	786.7		mg/Kg		79	70 - 130		

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

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

Lab Sample ID: 880-10005-A-48-E MS
Matrix: Solid
Analysis Batch: 16483

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 16541

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	65	S1-	70 - 130
o-Terphenyl	61	S1-	70 - 130

Lab Sample ID: 880-10005-A-48-F MSD
Matrix: Solid
Analysis Batch: 16483

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 16541

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	<49.9	U	999	744.4		mg/Kg		73	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	826.5		mg/Kg		83	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	67	S1-	70 - 130
o-Terphenyl	64	S1-	70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-16629/1-A
Matrix: Solid
Analysis Batch: 16695

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			01/13/22 19:23	1

Lab Sample ID: LCS 880-16629/2-A
Matrix: Solid
Analysis Batch: 16695

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			250	272.1		mg/Kg		109	90 - 110		

Lab Sample ID: LCSD 880-16629/3-A
Matrix: Solid
Analysis Batch: 16695

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	272.5		mg/Kg		109	90 - 110	0	20

Lab Sample ID: 880-10083-A-3-C MS
Matrix: Solid
Analysis Batch: 16695

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	445		248	680.1		mg/Kg		95	90 - 110		

QC Sample Results

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-10083-A-3-D MSD
Matrix: Solid
Analysis Batch: 16695

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	445		248	680.4		mg/Kg		95	90 - 110	0	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

GC VOA

Prep Batch: 16375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1810-1	PH01	Total/NA	Solid	5035	
890-1810-2	PH01A	Total/NA	Solid	5035	
MB 880-16375/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-16375/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-16375/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-1808-A-1-A MS	Matrix Spike	Total/NA	Solid	5035	
890-1808-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 16473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1810-1	PH01	Total/NA	Solid	8021B	16375
890-1810-2	PH01A	Total/NA	Solid	8021B	16375
MB 880-16375/5-A	Method Blank	Total/NA	Solid	8021B	16375
LCS 880-16375/1-A	Lab Control Sample	Total/NA	Solid	8021B	16375
LCSD 880-16375/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	16375
890-1808-A-1-A MS	Matrix Spike	Total/NA	Solid	8021B	16375
890-1808-A-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	16375

Analysis Batch: 16668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1810-1	PH01	Total/NA	Solid	Total BTEX	
890-1810-2	PH01A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 16336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1810-1	PH01	Total/NA	Solid	8015B NM	16424
MB 880-16424/1-A	Method Blank	Total/NA	Solid	8015B NM	16424
LCS 880-16424/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	16424
LCSD 880-16424/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	16424
890-1808-A-1-E MS	Matrix Spike	Total/NA	Solid	8015B NM	16424
890-1808-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	16424

Prep Batch: 16424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1810-1	PH01	Total/NA	Solid	8015NM Prep	
MB 880-16424/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-16424/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-16424/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-1808-A-1-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-1808-A-1-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 16483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1810-2	PH01A	Total/NA	Solid	8015B NM	16541
MB 880-16541/1-A	Method Blank	Total/NA	Solid	8015B NM	16541
LCS 880-16541/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	16541
LCSD 880-16541/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	16541
880-10005-A-48-E MS	Matrix Spike	Total/NA	Solid	8015B NM	16541
880-10005-A-48-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	16541

QC Association Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

GC Semi VOA

Prep Batch: 16541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1810-2	PH01A	Total/NA	Solid	8015NM Prep	
MB 880-16541/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-16541/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-16541/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-10005-A-48-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-10005-A-48-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 16554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1810-1	PH01	Total/NA	Solid	8015 NM	
890-1810-2	PH01A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 16629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1810-1	PH01	Soluble	Solid	DI Leach	
890-1810-2	PH01A	Soluble	Solid	DI Leach	
MB 880-16629/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-16629/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-16629/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-10083-A-3-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-10083-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 16695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-1810-1	PH01	Soluble	Solid	300.0	16629
890-1810-2	PH01A	Soluble	Solid	300.0	16629
MB 880-16629/1-A	Method Blank	Soluble	Solid	300.0	16629
LCS 880-16629/2-A	Lab Control Sample	Soluble	Solid	300.0	16629
LCSD 880-16629/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	16629
880-10083-A-3-C MS	Matrix Spike	Soluble	Solid	300.0	16629
880-10083-A-3-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	16629

Lab Chronicle

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

Client Sample ID: PH01
Date Collected: 01/07/22 12:04
Date Received: 01/07/22 14:17

Lab Sample ID: 890-1810-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			16375	01/11/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	16473	01/11/22 13:27	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	16668	01/12/22 13:10	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	16554	01/12/22 14:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			16424	01/10/22 11:18	DM	XEN MID
Total/NA	Analysis	8015B NM		1	16336	01/11/22 00:47	AJ	XEN MID
Soluble	Leach	DI Leach			16629	01/12/22 10:44	CH	XEN MID
Soluble	Analysis	300.0		1	16695	01/13/22 21:52	CH	XEN MID

Client Sample ID: PH01A
Date Collected: 01/07/22 12:06
Date Received: 01/07/22 14:17

Lab Sample ID: 890-1810-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			16375	01/11/22 07:30	KL	XEN MID
Total/NA	Analysis	8021B		1	16473	01/11/22 13:48	MR	XEN MID
Total/NA	Analysis	Total BTEX		1	16668	01/12/22 13:10	AJ	XEN MID
Total/NA	Analysis	8015 NM		1	16554	01/12/22 14:00	AJ	XEN MID
Total/NA	Prep	8015NM Prep			16541	01/11/22 13:47	DM	XEN MID
Total/NA	Analysis	8015B NM		1	16483	01/12/22 02:00	AJ	XEN MID
Soluble	Leach	DI Leach			16629	01/12/22 10:44	CH	XEN MID
Soluble	Analysis	300.0		1	16695	01/13/22 21:59	CH	XEN MID

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

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

Laboratory: Eurofins Midland

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

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

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

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

Method Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

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

Protocol References:

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

Laboratory References:

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

Sample Summary

Client: WSP USA Inc.
Project/Site: JRU DI 1A

Job ID: 890-1810-1
SDG: 31403236.020.0129 TASK 14.02

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-1810-1	PH01	Solid	01/07/22 12:04	01/07/22 14:17	0.5
890-1810-2	PH01A	Solid	01/07/22 12:06	01/07/22 14:17	1

Chain of Custody

Work Order No: _____

XENCO LABORATORIES

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

Project Manager:	Tacoma Morrissey	Bill to: (if different)	Adrian Baker
Company Name:	WSP USA	Company Name:	XTO Energy
Address:	3300 North A Street	Address:	3104 E Green Street
City, State ZIP:	Midland, TX 79705	City, State ZIP:	Carlsbad, NM 88220
Phone:	1 337-257-8307	Email:	Adrian.Baker@exxonmobil.com,Ben.Helill@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:	JRU DI 1A	Turn Around	
Project Number:	31403236.020.0129 Task 14.02	Routine	☑
P.O. Number:		Rush:	
Sampler's Name:	Mercy Rotich.	Due Date:	

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Temperature (°C):	3.4/3.2	Thermometer ID	TM_004	
Received Intact:	(Yes) No			
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Total Containers:		

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers	TPH (EPA 8015)	BTEX (EPA 0=8021)	Chloride (EPA 300.0)	Sample Comments
PH01	S	01/07/22	12:04	0.6'	1	X	X	X	Discrete
PH01A	S	01/07/22	12:06	1'	1	X	X	X	Discrete

890-1810 Chain of Custody

Work Order Notes

CC:1082151001

API:30-015-47514

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

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

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

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		1.7.22 1417	2		
3			4		
5			6		

Revised Date 051418 Rev. 2018.1

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1810-1
SDG Number: 31403236.020.0129 TASK 14.02

Login Number: 1810
List Number: 1
Creator: Clifton, Cloe

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-1810-1
SDG Number: 31403236.020.0129 TASK 14.02

Login Number: 1810
List Number: 2
Creator: Lowe, Katie

List Source: Eurofins Midland
List Creation: 01/10/22 08:22 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").	True	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 80538

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 80538
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	None	2/16/2022