

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	nAPP2105537640
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy	OGRID 5380
Contact Name Kyle Littrell	Contact Telephone 432-221-7331
Contact email kyle.littrell@exxonmobil.com	Incident # (assigned by OCD)
Contact mailing address 522 W. Mermod, Carlsbad, NM 88220	

Location of Release Source

Latitude 32.23148 Longitude -103.91023
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Nash Draw #8	Site Type SWD
Date Release Discovered 2/14/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
L	08	24S	30E	Eddy

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)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 4300	Volume Recovered (bbls) 4300
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Loss of power prevented alarm notification when tank inlet valve failed to close, releasing fluids into impermeable containment. All fluids were returned to production. A 48-hour liner inspection notice was sent to NMOCD District 2. Liner was inspected and determined not to be operating as designed. A third-party contractor has been retained for remediation activities.

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Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? A release equal to or greater than 25 barrels.
---	--

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
 By Kyle Littrell to Bratcher, Mike, EMNRD'; 'Hamlet, Robert, EMNRD'; 'Venegas, Victoria, EMNRD'; 'emily.hernandez@state.nm.us'; 'BLM_NM_CFO_Spill@blm.gov'; 'Morgan, Crisha A'; 'Hensley, Chad, EMNRD' on Monday, February 15, 2021 10:44 AM via email.

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
--

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

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: Kyle Littrell Title: Environmental Manager
 Signature:  Date: 02-24-21
 email: kyle.littrell@exxonmobil.com Telephone: 432-221-7331

OCD Only
 Received by: _____ Date: _____

Location:	Nash Draw #8 SWD	
Spill Date:	2/14/2021	
Area 1		
Approximate Area =	24142.70	cu. Ft.
VOLUME OF LEAK		
Total Produced Water =	4300.00	bbls
TOTAL VOLUME OF LEAK		
Total Produced Water =	4300.00	BBLS
TOTAL VOLUME RECOVERED		
Total Produced Water =	4300.00	bbls

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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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.

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Oil Conservation Division

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Printed Name: Kyle Littrell Title: Environmental Manager

Signature:  Date: 5/5/2021

email: kyle.littrell@exxonmobil.com Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2105537640
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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

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Printed Name: Kyle Littrell Title: Environmental Manager

Signature:  Date: 5/5/2021

email: Kyle_Littrell@exxonmobil.com Telephone: 432-221-7331

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: _____

Incident ID	nAPP2105537640
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Facility ID	
Application ID	

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Printed Name: Kyle Littrell Title: Environmental Manager

Signature:  Date: 5/5/2021

email: Kyle_Littrell@exxonmobil.com Telephone: 432-221-7331

OCD Only

Received by: Robert Hamlet Date: 8/18/2021

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: Robert Hamlet Date: 8/18/2021

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



WSP USA

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

May 6, 2021

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

**RE: Closure Request
Nash Draw #8
Incident Number nAPP2105537640
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 Nash Draw #8 (Site) in Unit L, Section 08, Township 24 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 resulting from a release of produced water within lined containment at the Site. Based on field observations, field screening activities, and soil sample laboratory analytical results, XTO is submitting this Closure Request and requesting no further action (NFA) for Incident Number nAPP2105537640.

RELEASE BACKGROUND

On February 14, 2021, loss of power prevented alarm notification when a tank inlet valve failed to close, resulting in the release of 4,300 barrels (bbls) of produced water into a lined steel containment. Approximately 4,300 bbls of produced water were recovered and returned to production. A 48-hour advance notice of liner inspection was provided via email to New Mexico Oil Conservation Division (NMOCD) District II office. A liner integrity inspection was conducted by XTO personnel following the fluid recovery and upon inspection, the liner was determined to be insufficient. XTO reported the release to the New Mexico Oil Conservation Division (NMOCD) immediately via email on February 15, 2021 and subsequently submitted a Form C-141 on February 24, 2021. The release was assigned Incident Number nAPP2105537640.

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 NMOSE well C 02108, located approximately 0.22 miles



southeast of the Site. An inspection was conducted to field verify the location of the water well and confirm the distance to the Site. The groundwater well has a reported depth to groundwater of 186 feet bgs and a total depth of 200 feet bgs. Ground surface elevation at the groundwater well location is 3,195 feet amsl, which is approximately 9 feet lower in elevation than the Site. There are five groundwater wells within a 2-mile radius of the Site that indicate regional depth to groundwater is greater than 100 feet bgs. All wells used for depth to groundwater determination are depicted on Figure 1. The referenced well records are included in Attachment 1.

The closest continuously flowing or significant watercourse to the Site is an intermittent riverine, located approximately 600 feet south of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

CLOSURE CRITERIA

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

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

SITE ASSESSMENT ACTIVITIES

On March 11, 2021 and April 22, 2021, WSP personnel were at the Site to evaluate the release extent and conduct delineation activities. One borehole (BH01) was advanced via hand auger at the location of the tear in the liner to assess the vertical extent of impacted soil. Four additional boreholes (BH02 through BH05) were advanced around the outside of the lined containment to confirm lateral delineation. Boreholes BH01 through BH05 were advanced to a depth of 1-foot bgs. Soil from the boreholes was field screened for volatile aromatic hydrocarbons and chloride utilizing a calibrated photo-ionization detector (PID) and Hach® chloride QuanTab® test strips, respectively. Two delineation soil samples were collected from each borehole at depths of 0.5 feet and 1-foot bgs. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Attachment 2. The borehole and delineation



soil sample locations are depicted on Figure 2. Photographic documentation of the delineation activities is included in Attachment 3. Following delineation activities, the tear in the liner was bonded and repaired by XTO to restore the integrity of the liner.

The delineation 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 Xenco Laboratories (Eurofins Xenco) 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/BH01A through BH05/BH05A, collected at depths of 0.5 feet and 1-foot bgs, indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Laboratory analytical results are summarized in Table 1 and the complete laboratory analytical reports are included as Attachment 4.

CLOSURE REQUEST

Following the failed liner integrity inspection at the Site, WSP personnel advanced five boreholes (BH01 through BH05) within and around the lined containment to assess for the presence or absence of impacted soil resulting from the February 14, 2021 produced water release within lined containment. Two delineation soil samples were collected from each borehole (BH01 through BH05) at depths of 0.5 feet and 1-foot bgs. Laboratory analytical results for the delineation soil samples indicated that benzene, BTEX, TPH-GRO/TPH-DRO, TPH, and chloride concentrations were compliant with the Closure Criteria. Additionally, the release was vertically delineated to the most stringent 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 and soil sample laboratory analytical results compliant with the Closure Criteria, XTO respectfully requests NFA for Incident Number nAPP2105537640.



District II
Page 4

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

Sincerely,

WSP USA Inc.

A handwritten signature in black ink, appearing to read 'Fatima Smith'.

Fatima Smith
Associate Consultant, Geologist

A handwritten signature in black ink, appearing to read 'Ashley L. Ager'.

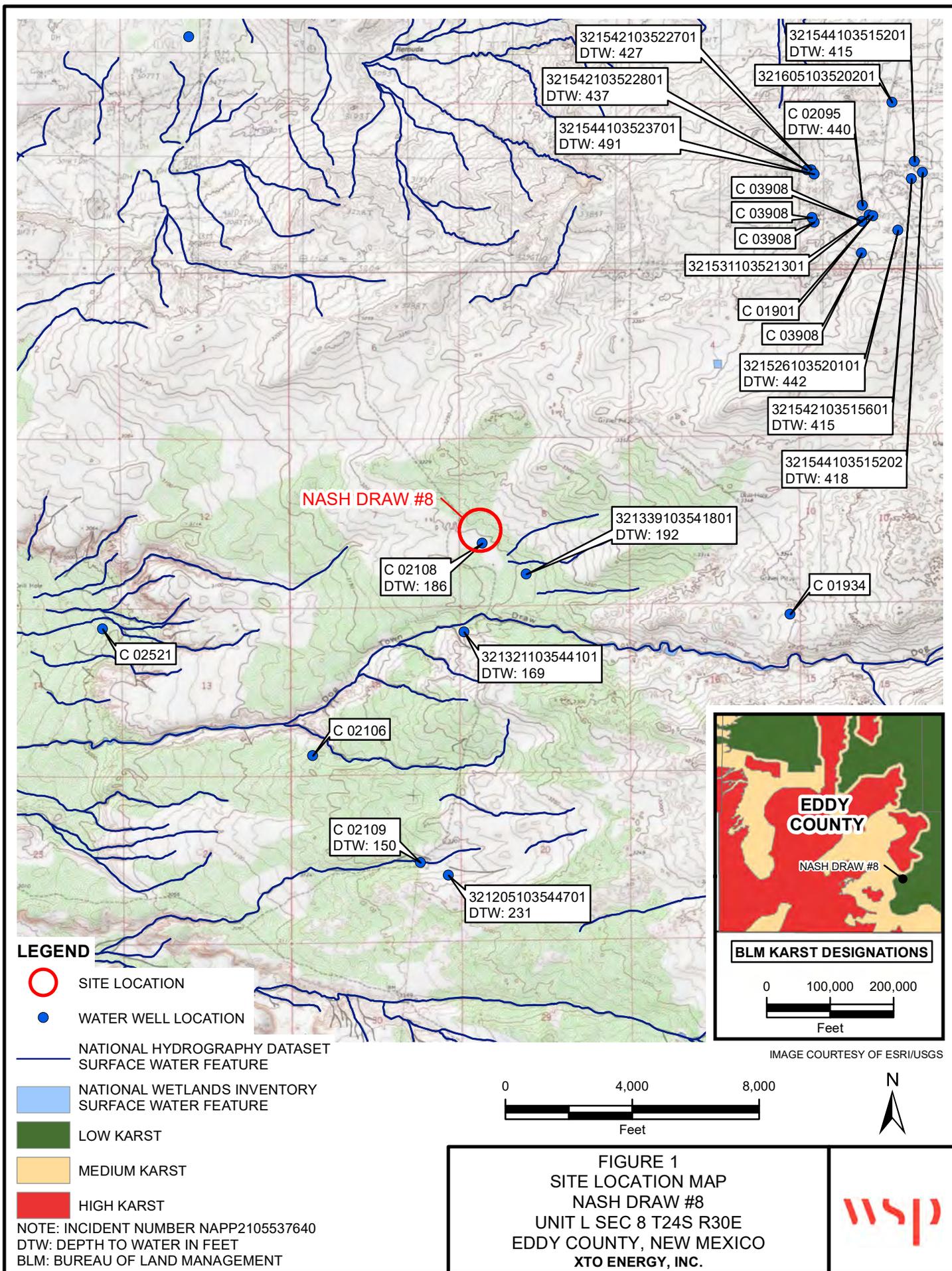
Ashley L. Ager, P.G.
Managing Director, Geologist

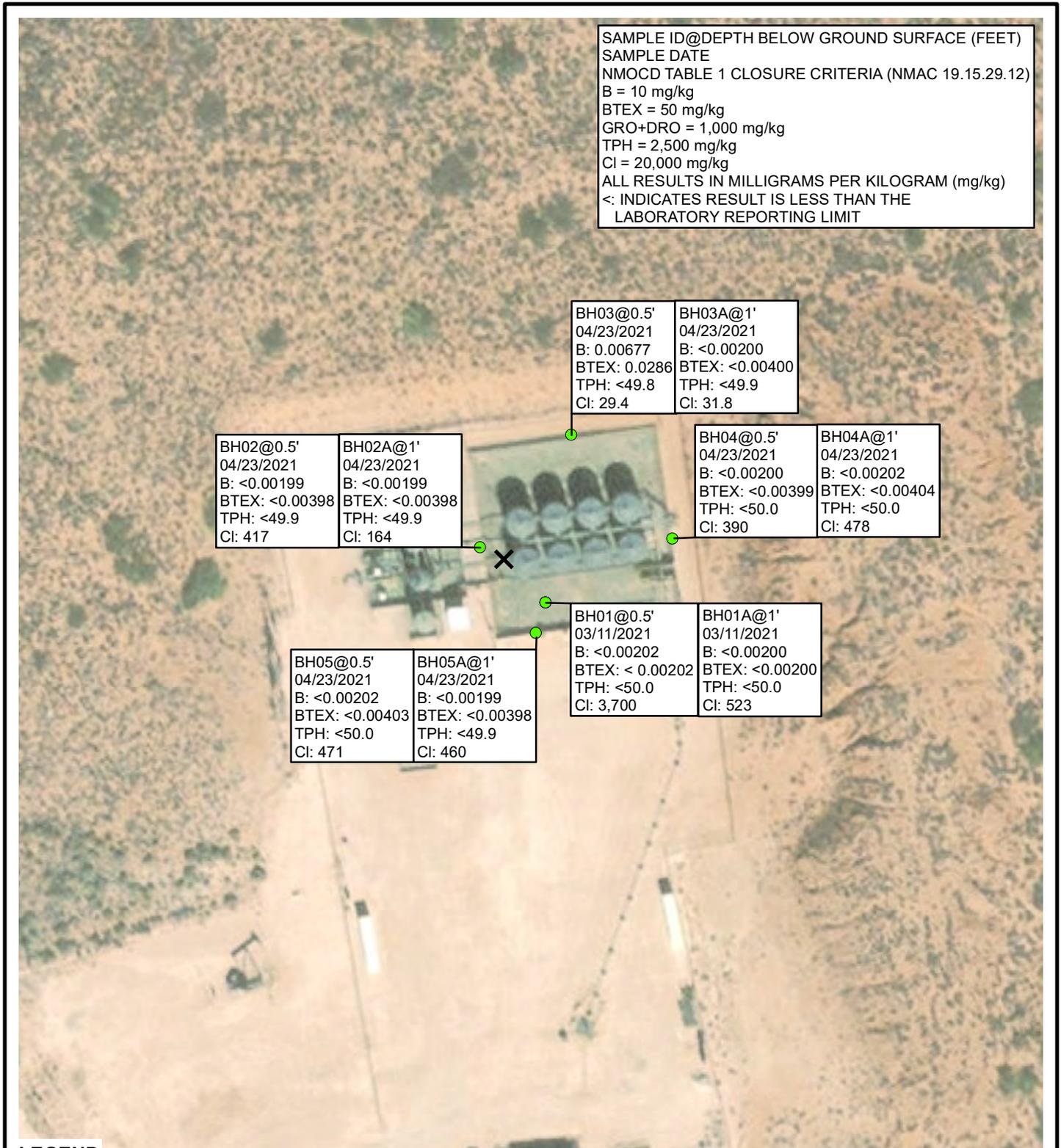
cc: Kyle Littrell, XTO
Bureau of Land Management

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/Soil Sampling Logs
- Attachment 3 Photographic Log
- Attachment 4 Laboratory Analytical Reports

FIGURES





LEGEND

- X** RELEASE LOCATION
- DELINEATION SOIL SAMPLE IN COMPLIANCE WITH APPLICABLE CLOSURE CRITERIA

B: BENZENE
 BTEX: TOTAL BENZENE, TOLUENE, ETHYLBENZENE, AND TOTAL XYLENES
 TPH: TOTAL PETROLEUM HYDROCARBONS
 Cl: CHLORIDE
 NMAC: NEW MEXICO ADMINISTRATIVE CODE
 NMOCD: NEW MEXICO OIL CONSERVATION DIVISION
 NOTE: INCIDENT NUMBER NAPP2105537640

IMAGE COURTESY OF ESRI

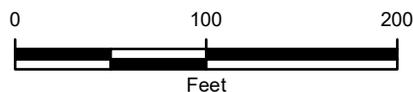


FIGURE 2
 DELINEATION SOIL SAMPLE LOCATIONS
 NASH DRAW #8
 UNIT L SEC 8 T24S R30E
 EDDY COUNTY, NEW MEXICO
 XTO ENERGY, INC.



TABLES

Table 1
Soil Analytical Results
Nash Draw #8
Incident Number nAPP2105537640
XTO Energy, Inc.
Eddy 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 Samples										
BH01	03/11/2021	0.5	<0.00202	<0.00202	<50.0	<50.0	<50.0	<50.0	<50.0	3,700
BH01A	03/11/2021	1	<0.00200	<0.00200	<50.0	<50.0	<50.0	<50.0	<50.0	523
BH02	04/23/2021	0.5	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	417
BH02A	04/23/2021	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	164
BH03	04/23/2021	0.5	0.00677	0.0286	<49.8	<49.8	<49.8	<49.8	<49.8	29.4
BH03A	04/23/2021	1	<0.00200	<0.00400	<49.9	<49.9	<49.9	<49.9	<49.9	31.8
BH04	04/23/2021	0.5	<0.00200	<0.00399	<50.0	<50.0	<50.0	<50.0	<50.0	390
BH04A	04/23/2021	1	<0.00202	<0.00404	<50.0	<50.0	<50.0	<50.0	<50.0	478
BH05	04/23/2021	0.5	<0.00202	<0.00403	<50.0	<50.0	<50.0	<50.0	<50.0	471
BH05A	04/23/2021	1	<0.00199	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	460

Notes

ft - feet/foot

mg/kg - milligrams per kilograms

BTEX - benzene, toluene, ethylbenzene, and total xylenes

TPH - total petroleum hydrocarbons

DRO - diesel range organics

GRO - gasoline range organics

ORO - motor oil range organics

NMOCD - New Mexico Oil Conservation Division

NMAC - New Mexico Administrative Code

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

NE - Not Established

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

Greyed data represents samples that were excavated

ATTACHMENT 1: REFERENCED WELL RECORD



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#) 

Groundwater levels for the Nation

* IMPORTANT: [Next Generation Station Page](#)

Search Results -- 1 sites found

site_no list =

- 321339103541801

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321339103541801 24S.30E.08.33222

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°13'39", Longitude 103°54'18" NAD27

Land-surface elevation 3,207 feet above NAVD88

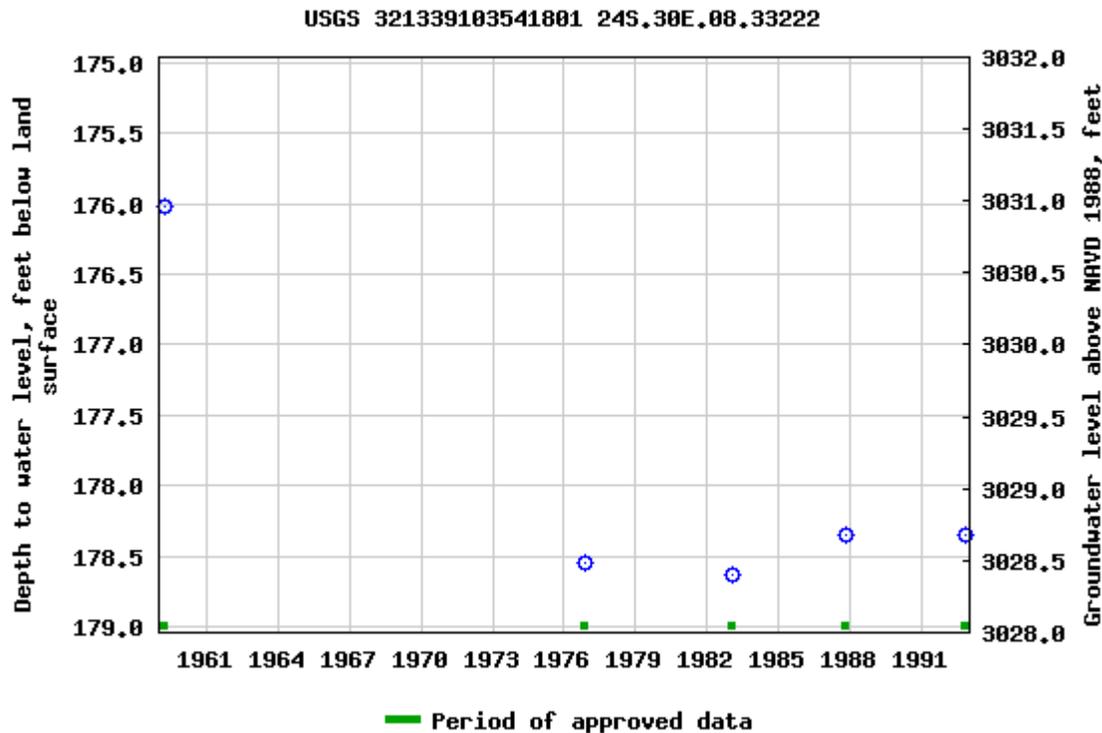
The depth of the well is 192 feet below land surface.

This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

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



Breaks in the plot represent a gap of at least one year between field measurements.
[Download a presentation-quality graph](#)

- [Questions about sites/data?](#)
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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2021-03-11 15:33:21 EST

0.63 0.57 nadww01



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 Tws Rng	X Y
C 02108		1 3 08	24S 30E	602702 3566487*

Driller License:	Driller Company:		
Driller Name: UNKNOWN			
Drill Start Date:	Drill Finish Date: 12/31/1963	Plug Date:	
Log File Date:	PCW Rcv Date:	Source:	
Pump Type:	Pipe Discharge Size:	Estimated Yield: 16 GPM	
Casing Size: 7.00	Depth Well: 200 feet	Depth Water: 186 feet	

*UTM location was derived from PLSS - see Help

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

3/11/21 1:31 PM

POINT OF DIVERSION SUMMARY

ATTACHMENT 2: LITHOLOGIC/SAMPLING LOG

 <p>WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220</p>				BH or PH Name:		Date:		
				BH01		3/11/2020		
				Site Name: Nash Draw #8				
				RP or Incident Number: NAPP2105537640				
LITHOLOGIC / SOIL SAMPLING LOG				LTE Job Number: TE012921032				
Lat/Long:		Field Screening:		Hole Diameter:		Method: Hand Auger		
		Chloride, PID		4.25"		Total Depth: 1'		
Comments:								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
dry	3,096	0.1	n	BH01	0.5	0.5	SM	SAND, dry, red-brown, fine grain, well graded, small amount of clay, no stain, no odor
dry	459	0.4	n	BH01A	1	1		
Total Depth: 1 foot								

 <p>WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220</p>				BH or PH Name:		Date:		
				BH02		4/23/2020		
				Site Name: Nash Draw #8				
				RP or Incident Number: NAPP2105537640				
LITHOLOGIC / SOIL SAMPLING LOG				LTE Job Number: TE012921032				
Lat/Long:		Field Screening:		Hole Diameter:		Method: Hand Auger		
		Chloride, PID		4.25"		Total Depth: 1'		
Comments:								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
dry	313	0.0	n	BH02	0.5	0.5	SM	SAND, dry, red-brown, fine grain, well graded, small amount of clay, no stain, no odor
dry	179	0.0	n	BH02A	1	1		
Total Depth: 1 foot								

 <p>WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220</p>				BH or PH Name:		Date:		
				BH03		4/23/2020		
				Site Name: Nash Draw #8				
				RP or Incident Number: NAPP2105537640				
LITHOLOGIC / SOIL SAMPLING LOG				LTE Job Number: TE012921032				
				Logged By: EN		Method: Hand Auger		
Lat/Long:		Field Screening: Chloride, PID		Hole Diameter: 4.25"		Total Depth: 1'		
Comments:								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
dry	<156	0.0	n	BH03	0.5	0.5	SM	SAND, dry, red-brown, fine grain, well graded, small amount of clay, no stain, no odor
dry	<156	0.0	n	BH03A	1	1		
Total Depth: 1 foot								

 <p>WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220</p>				BH or PH Name:		Date:		
				BH04		4/23/2020		
				Site Name: Nash Draw #8				
				RP or Incident Number: NAPP2105537640				
LITHOLOGIC / SOIL SAMPLING LOG				LTE Job Number: TE012921032				
				Logged By: EN		Method: Hand Auger		
Lat/Long:		Field Screening: Chloride, PID		Hole Diameter: 4.25"		Total Depth: 1'		
Comments:								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
dry	464	0.0	n	BH04	0.5	0.5	SM	SAND, dry, red-brown, fine grain, well graded, small amount of clay, no stain, no odor
dry	179	0.0	n	BH04A	1	1		
Total Depth: 1 foot								

 <p>WSP USA 508 West Stevens Street Carlsbad, New Mexico 88220</p>				BH or PH Name:		Date:		
				BH05		4/23/2020		
				Site Name: Nash Draw #8				
				RP or Incident Number: NAPP2105537640				
LITHOLOGIC / SOIL SAMPLING LOG				LTE Job Number: TE012921032				
Lat/Long:		Field Screening:		Hole Diameter:		Method: Hand Auger		
		Chloride, PID		4.25"		Total Depth: 1'		
Comments:								
Moisture Content	Chloride (ppm)	Vapor (ppm)	Staining	Sample #	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithology/Remarks
dry	313	0.0	n	BH05	0.5	0.5	SM	SAND, dry, red-brown, fine grain, well graded, small amount of clay, no stain, no odor
dry	224	0.0	n	BH05A	1	1		
Total Depth: 1 foot								

ATTACHMENT 3: PHOTOGRAPHIC LOG



PHOTOGRAPHIC LOG		
XTO Energy, Inc	Nash Draw #8 Eddy County, New Mexico	TE012921032

Photo No.	Date	
1	February 23, 2021	
Closeup of tear in lined containment		

Photo No.	Date	
2	March 11, 2021	
Location of borehole (BH01) within lined containment facing north-northeast		



PHOTOGRAPHIC LOG		
XTO Energy, Inc	Nash Draw #8 Eddy County, New Mexico	TE012921032

Photo No.	Date	
3	March 11, 2021	
Patching of liner after completion of borehole (BH01) facing north-northeast		

ATTACHMENT 4: LABORATORY ANALYTICAL RESULTS



Environment Testing
America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-331-1
Laboratory Sample Delivery Group: TE012921032
Client Project/Site: Nash 8 SWD

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

Attn: Dan Moir

Authorized for release by:
3/22/2021 7:10:55 PM

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

LINKS

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results through
TotalAccess

Have a Question?



Visit us at:
www.eurofinsus.com/Env

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.

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Client: WSP USA Inc.
Project/Site: Nash 8 SWD

Laboratory Job ID: 890-331-1
SDG: TE012921032

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Nash 8 SWD

Job ID: 890-331-1
SDG: TE012921032

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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: Nash 8 SWD

Job ID: 890-331-1
SDG: TE012921032

Job ID: 890-331-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-331-1

Comments

No additional comments.

Receipt

The samples were received on 3/11/2021 4:18 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 was 4.4° C.

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: BH01 (890-331-1) and BH01 A (890-331-2).

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Client Sample Results

Client: WSP USA Inc.
Project/Site: Nash 8 SWDJob ID: 890-331-1
SDG: TE012921032

Client Sample ID: BH01

Lab Sample ID: 890-331-1

Date Collected: 03/11/21 12:21

Matrix: Solid

Date Received: 03/11/21 16:18

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/kg		03/19/21 16:40	03/21/21 14:32	1
Ethylbenzene	<0.00202	U	0.00202		mg/kg		03/19/21 16:40	03/21/21 14:32	1
m,p-Xylenes	<0.00403	U	0.00403		mg/kg		03/19/21 16:40	03/21/21 14:32	1
o-Xylene	<0.00202	U	0.00202		mg/kg		03/19/21 16:40	03/21/21 14:32	1
Toluene	<0.00202	U	0.00202		mg/kg		03/19/21 16:40	03/21/21 14:32	1
Total BTEX	<0.00202	U	0.00202		mg/kg		03/19/21 16:40	03/21/21 14:32	1
Total Xylenes	<0.00202	U	0.00202		mg/kg		03/19/21 16:40	03/21/21 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	101		70 - 130	03/19/21 16:40	03/21/21 14:32	1
4-Bromofluorobenzene	111		70 - 130	03/19/21 16:40	03/21/21 14:32	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3700		25.0		mg/kg		03/18/21 22:00	03/19/21 09:28	5

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/15/21 17:00	03/16/21 04:46	1
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/15/21 17:00	03/16/21 04:46	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/15/21 17:00	03/16/21 04:46	1
Total TPH	<50.0	U	50.0		mg/kg		03/15/21 17:00	03/16/21 04:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 135	03/15/21 17:00	03/16/21 04:46	1
o-Terphenyl	94		70 - 135	03/15/21 17:00	03/16/21 04:46	1

Client Sample ID: BH01 A

Lab Sample ID: 890-331-2

Date Collected: 03/11/21 12:29

Matrix: Solid

Date Received: 03/11/21 16:18

Method: BTEX 8021 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/kg		03/19/21 16:40	03/21/21 15:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/kg		03/19/21 16:40	03/21/21 15:56	1
m,p-Xylenes	<0.00401	U	0.00401		mg/kg		03/19/21 16:40	03/21/21 15:56	1
o-Xylene	<0.00200	U	0.00200		mg/kg		03/19/21 16:40	03/21/21 15:56	1
Toluene	<0.00200	U	0.00200		mg/kg		03/19/21 16:40	03/21/21 15:56	1
Total BTEX	<0.00200	U	0.00200		mg/kg		03/19/21 16:40	03/21/21 15:56	1
Total Xylenes	<0.00200	U	0.00200		mg/kg		03/19/21 16:40	03/21/21 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene	99		70 - 130	03/19/21 16:40	03/21/21 15:56	1
4-Bromofluorobenzene	101		70 - 130	03/19/21 16:40	03/21/21 15:56	1

Method: CHLORIDE E300 - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	523		4.99		mg/kg		03/18/21 22:00	03/19/21 09:33	1

Method: TPH 8015_NM_MOD - General Subcontract Method

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50.0	U	50.0		mg/kg		03/15/21 17:00	03/16/21 05:07	1

Eurofins Carlsbad

Client Sample Results

Client: WSP USA Inc.
 Project/Site: Nash 8 SWD

Job ID: 890-331-1
 SDG: TE012921032

Client Sample ID: BH01 A
Date Collected: 03/11/21 12:29
Date Received: 03/11/21 16:18

Lab Sample ID: 890-331-2
Matrix: Solid

Method: TPH 8015_NM_MOD - General Subcontract Method (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Hydrocarbons (GRO)	<50.0	U	50.0		mg/kg		03/15/21 17:00	03/16/21 05:07	1
Motor Oil Range Hydrocarbons (MRO)	<50.0	U	50.0		mg/kg		03/15/21 17:00	03/16/21 05:07	1
Total TPH	<50.0	U	50.0		mg/kg		03/15/21 17:00	03/16/21 05:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 135	03/15/21 17:00	03/16/21 05:07	1
o-Terphenyl	106		70 - 135	03/15/21 17:00	03/16/21 05:07	1

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Surrogate Summary

Client: WSP USA Inc.
Project/Site: Nash 8 SWD

Job ID: 890-331-1
SDG: TE012921032

Method: BTEX 8021 - General Subcontract Method**Matrix: SOIL****Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)
7723715-1-BKS	Lab Control Sample	104
7723715-1-BLK	Method Blank	111
7723715-1-BSD	Lab Control Sample Dup	103

Surrogate Legend

BFB = 4-Bromofluorobenzene

Method: BTEX 8021 - General Subcontract Method**Matrix: Solid****Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB (70-130)	DFBZ (70-130)
890-331-1	BH01	111	101
890-331-2	BH01 A	101	99

Surrogate Legend

BFB = 4-Bromofluorobenzene

DFBZ = 1,4-Difluorobenzene

Method: TPH 8015_NM_MOD - General Subcontract Method**Matrix: Solid****Prep Type: Total/NA**

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO (70-135)	OTPH (70-135)
890-331-1	BH01	86	94
890-331-2	BH01 A	97	106

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: WSP USA Inc.
Project/Site: Nash 8 SWD

Job ID: 890-331-1
SDG: TE012921032

Method: BTEX 8021 - General Subcontract Method

Lab Sample ID: 7723715-1-BLK
Matrix: SOIL
Analysis Batch: 3154335

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3154335_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<.002	U	.002		mg/kg		03/19/21 16:40	03/20/21 16:20	1
Ethylbenzene	<.002	U	.002		mg/kg		03/19/21 16:40	03/20/21 16:20	1
m,p-Xylenes	<.004	U	.004		mg/kg		03/19/21 16:40	03/20/21 16:20	1
o-Xylene	<.002	U	.002		mg/kg		03/19/21 16:40	03/20/21 16:20	1
Toluene	<.002	U	.002		mg/kg		03/19/21 16:40	03/20/21 16:20	1
Surrogate	%Recovery	BLANK Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	111		70 - 130				03/19/21 16:40	03/20/21 16:20	1

Lab Sample ID: 7723715-1-BKS
Matrix: SOIL
Analysis Batch: 3154335

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3154335_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits	%Rec.
Benzene	.1	0.0986		mg/kg		99	70 - 130	
Ethylbenzene	.1	0.0967		mg/kg		97	71 - 129	
m,p-Xylenes	.2	0.191		mg/kg		96	70 - 135	
o-Xylene	.1	0.0956		mg/kg		96	71 - 133	
Toluene	.1	0.0974		mg/kg		97	70 - 130	
Surrogate	LCS %Recovery	LCS Qualifier	Limits					
4-Bromofluorobenzene	104		70 - 130					

Lab Sample ID: 7723715-1-BSD
Matrix: SOIL
Analysis Batch: 3154335

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3154335_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	.1	0.0945		mg/kg		95	70 - 130	4	35
Ethylbenzene	.1	0.0933		mg/kg		93	71 - 129	4	35
m,p-Xylenes	.2	0.187		mg/kg		94	70 - 135	2	35
o-Xylene	.1	0.0931		mg/kg		93	71 - 133	3	35
Toluene	.1	0.0952		mg/kg		95	70 - 130	2	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene	103		70 - 130						

Method: TPH 8015_NM_MOD - General Subcontract Method

Lab Sample ID: 7723406-1-BLK
Matrix: SOIL
Analysis Batch: 3153795

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3153795_P

Analyte	BLANK Result	BLANK Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO)	<50	U	50		mg/kg		03/15/21 17:00	03/15/21 21:07	1
Gasoline Range Hydrocarbons (GRO)	<50	U	50		mg/kg		03/15/21 17:00	03/15/21 21:07	1
Motor Oil Range Hydrocarbons (MRO)	<50	U	50		mg/kg		03/15/21 17:00	03/15/21 21:07	1

Eurofins Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Nash 8 SWD

Job ID: 890-331-1
SDG: TE012921032

Method: TPH 8015_NM_MOD - General Subcontract Method (Continued)

Lab Sample ID: 7723406-1-BKS
Matrix: SOIL
Analysis Batch: 3153795

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3153795_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics (DRO)	1000	1080		mg/kg		108	70 - 135
Gasoline Range Hydrocarbons (GRO)	1000	1030		mg/kg		103	70 - 135

Lab Sample ID: 7723406-1-BSD
Matrix: SOIL
Analysis Batch: 3153795

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 3153795_P

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics (DRO)	1000	1090		mg/kg		109	70 - 135	1	20
Gasoline Range Hydrocarbons (GRO)	1000	1110		mg/kg		111	70 - 135	7	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: Nash 8 SWDJob ID: 890-331-1
SDG: TE012921032

Subcontract

Analysis Batch: 3153795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-331-1	BH01	Total/NA	Solid	TPH	3153795_P
890-331-2	BH01 A	Total/NA	Solid	TPH	3153795_P
7723406-1-BLK	Method Blank	Total/NA	SOIL	TPH	3153795_P
7723406-1-BKS	Lab Control Sample	Total/NA	SOIL	TPH	3153795_P
7723406-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	TPH	3153795_P
				8015_NM_MOD	
				8015_NM_MOD	

Analysis Batch: 3154287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-331-1	BH01	Total/NA	Solid	CHLORIDE E300	3154287_P
890-331-2	BH01 A	Total/NA	Solid	CHLORIDE E300	3154287_P

Analysis Batch: 3154335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-331-1	BH01	Total/NA	Solid	BTEX 8021	3154335_P
890-331-2	BH01 A	Total/NA	Solid	BTEX 8021	3154335_P
7723715-1-BLK	Method Blank	Total/NA	SOIL	BTEX 8021	3154335_P
7723715-1-BKS	Lab Control Sample	Total/NA	SOIL	BTEX 8021	3154335_P
7723715-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	BTEX 8021	3154335_P

Prep Batch: 3153795_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-331-1	BH01	Total/NA	Solid	SW8015P	
890-331-2	BH01 A	Total/NA	Solid	SW8015P	
7723406-1-BLK	Method Blank	Total/NA	SOIL	***DEFAULT PREP***	
7723406-1-BKS	Lab Control Sample	Total/NA	SOIL	***DEFAULT PREP***	
7723406-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	***DEFAULT PREP***	

Prep Batch: 3154287_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-331-1	BH01	Total/NA	Solid	E300P	
890-331-2	BH01 A	Total/NA	Solid	E300P	

Prep Batch: 3154335_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-331-1	BH01	Total/NA	Solid	SW5035A	
890-331-2	BH01 A	Total/NA	Solid	SW5035A	
7723715-1-BLK	Method Blank	Total/NA	SOIL	SW5035A	
7723715-1-BKS	Lab Control Sample	Total/NA	SOIL	SW5035A	
7723715-1-BSD	Lab Control Sample Dup	Total/NA	SOIL	SW5035A	

Eurofins Carlsbad

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Nash 8 SWD

Job ID: 890-331-1
SDG: TE012921032

Laboratory: Eurofins Midland

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-20-21	06-30-21

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Method Summary

Client: WSP USA Inc.
Project/Site: Nash 8 SWD

Job ID: 890-331-1
SDG: TE012921032

Method	Method Description	Protocol	Laboratory
Subcontract	BTEX 8021	None	XM
Subcontract	CHLORIDE E300	None	XM
Subcontract	TPH 8015_NM_MOD	None	XM

Protocol References:

None = None

Laboratory References:

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

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Sample Summary

Client: WSP USA Inc.
Project/Site: Nash 8 SWD

Job ID: 890-331-1
SDG: TE012921032

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
890-331-1	BH01	Solid	03/11/21 12:21	03/11/21 16:18	
890-331-2	BH01 A	Solid	03/11/21 12:29	03/11/21 16:18	

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-331-1
SDG Number: TE012921032

Login Number: 331
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	

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Environment Testing
America

ANALYTICAL REPORT

Job Number: 890-569-1
SDG Number: TE012921032
Job Description: Nash Draw 8

For:
WSP USA Inc.
2777 N. Stemmons Freeway
Suite 1600
Dallas, TX 75207
Attention: Dan Moir

A handwritten signature in black ink that reads "JKRAMER".

Approved for release.
Jessica Kramer
Project Manager
4/26/2021 6:44 PM

Jessica Kramer, Project Manager
1211 W. Florida Ave, Midland, TX, 79701
jessica.kramer@eurofinset.com
04/26/2021

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

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.

Eurofins Xenco, Carlsbad
1089 N Canal St., Carlsbad, NM 88220
Tel (575) 988-3199 Fax (575) 988-3199 www.EurofinsUS.com



Client: WSP USA Inc.

Project/Site: Nash Draw 8

Job ID: 890-569-1

SDG: TE012921032

Lab Sample ID:	890-569-1	890-569-2	890-569-3	890-569-4	890-569-5
Client Sample ID:	BH02	BH02 A	BH03	BH03 A	BH04
Depth:	0.5	1	0.5	1	0.5
Matrix:	Solid	Solid	Solid	Solid	Solid
Date Collected:	04/23/2021 10:25	04/23/2021 10:30	04/23/2021 10:40	04/23/2021 10:45	04/23/2021 11:00

Method: 8021B - Volatile Organic Compounds (GC)

Prepared:	04/26/2021 08:44	04/26/2021 08:44	04/26/2021 08:44	04/26/2021 08:44	04/26/2021 08:44
Analyzed:	04/26/2021 12:49	04/26/2021 13:10	04/26/2021 13:30	04/26/2021 13:51	04/26/2021 14:11

Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Benzene		<0.00199 U	0.00199	<0.00199 U	0.00199	0.00677	0.00198	<0.00200 U	0.00200	<0.00200 U	0.00200
Toluene		<0.00199 U	0.00199	<0.00199 U	0.00199	0.00998	0.00198	<0.00200 U	0.00200	<0.00200 U	0.00200
Ethylbenzene		0.00252	0.00199	<0.00199 U	0.00199	0.0118	0.00198	<0.00200 U	0.00200	<0.00200 U	0.00200
m-Xylene & p-Xylene		<0.00398 U	0.00398	<0.00398 U	0.00398	<0.00396 U	0.00396	<0.00400 U	0.00400	<0.00399 U	0.00399
o-Xylene		<0.00199 U	0.00199	<0.00199 U	0.00199	<0.00198 U	0.00198	<0.00200 U	0.00200	<0.00200 U	0.00200
Xylenes, Total		<0.00398 U	0.00398	<0.00398 U	0.00398	<0.00396 U	0.00396	<0.00400 U	0.00400	<0.00399 U	0.00399
Total BTEX		<0.00398 U	0.00398	<0.00398 U	0.00398	0.0286	0.00396	<0.00400 U	0.00400	<0.00399 U	0.00399

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

Prepared:	04/26/2021 08:55	04/26/2021 08:55	04/26/2021 08:55	04/26/2021 08:55	04/26/2021 08:55
Analyzed:	04/26/2021 11:45	04/26/2021 12:50	04/26/2021 13:12	04/26/2021 13:34	04/26/2021 13:55

Analyte	Unit/RL:	mg/Kg	RL								
Gasoline Range Organics (GRO)-C6-C10		<49.9 U	49.9	<49.9 U	49.9	<49.8 U	49.8	<49.9 U	49.9	<50.0 U	50.0
Diesel Range Organics (Over C10-C28)		<49.9 U	49.9	<49.9 U	49.9	<49.8 U	49.8	<49.9 U	49.9	<50.0 U	50.0
Oil Range Organics (Over C28-C36)		<49.9 U	49.9	<49.9 U	49.9	<49.8 U	49.8	<49.9 U	49.9	<50.0 U	50.0
Total TPH		<49.9 U	49.9	<49.9 U	49.9	<49.8 U	49.8	<49.9 U	49.9	<50.0 U	50.0

Method: 300.0 - Anions, Ion Chromatography - Soluble

Prepared:	04/26/2021 15:29	04/26/2021 15:34	04/26/2021 15:49	04/26/2021 15:55	04/26/2021 16:00
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Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Chloride		417	5.04	164	4.97	29.4	4.95	31.8	5.05	390	5.05

Client Sample Result Summary

Client: WSP USA Inc.
 Project/Site: Nash Draw 8

Job ID: 890-569-1
 SDG: TE012921032

Lab Sample ID:	890-569-6	890-569-7	890-569-8
Client Sample ID:	BH04 A	BH05	BH05A
Depth:	1	0.5	1
Matrix:	Solid	Solid	Solid
Date Collected:	04/23/2021 11:05	04/23/2021 11:15	04/23/2021 11:20

Method: 8021B - Volatile Organic Compounds (GC)

Prepared:	04/26/2021 08:44	04/26/2021 08:44	04/26/2021 08:44
Analyzed:	04/26/2021 14:32	04/26/2021 14:53	04/26/2021 15:13

Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Benzene		<0.00202 U	0.00202	<0.00202 U	0.00202	<0.00199 U	0.00199
Toluene		<0.00202 U	0.00202	<0.00202 U	0.00202	<0.00199 U	0.00199
Ethylbenzene		<0.00202 U	0.00202	<0.00202 U	0.00202	<0.00199 U	0.00199
m-Xylene & p-Xylene		<0.00404 U	0.00404	<0.00403 U	0.00403	<0.00398 U	0.00398
o-Xylene		<0.00202 U	0.00202	<0.00202 U	0.00202	<0.00199 U	0.00199
Xylenes, Total		<0.00404 U	0.00404	<0.00403 U	0.00403	<0.00398 U	0.00398
Total BTEX		<0.00404 U	0.00404	<0.00403 U	0.00403	<0.00398 U	0.00398

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

Prepared:	04/26/2021 08:55	04/26/2021 08:55	04/26/2021 08:55
Analyzed:	04/26/2021 14:17	04/26/2021 14:38	04/26/2021 15:00

Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Gasoline Range Organics (GRO)-C6-C10		<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9
Diesel Range Organics (Over C10-C28)		<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9
Oil Range Organics (Over C28-C36)		<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9
Total TPH		<50.0 U	50.0	<50.0 U	50.0	<49.9 U	49.9

Method: 300.0 - Anions, Ion Chromatography - Soluble

Prepared:			
Analyzed:	04/26/2021 16:05	04/26/2021 16:10	04/26/2021 16:15

Analyte	Unit/RL:	mg/Kg	RL	mg/Kg	RL	mg/Kg	RL
Chloride		478	4.98	471	5.00	460	5.00



Environment Testing
America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-569-1
Laboratory Sample Delivery Group: TE012921032
Client Project/Site: Nash Draw 8

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

Attn: Dan Moir

Authorized for release by:
4/26/2021 6:44:52 PM

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



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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.

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Client: WSP USA Inc.
Project/Site: Nash Draw 8

Laboratory Job ID: 890-569-1
SDG: TE012921032

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Definitions/Glossary

Client: WSP USA Inc.
Project/Site: Nash Draw 8

Job ID: 890-569-1
SDG: TE012921032

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
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.
α	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: Nash Draw 8

Job ID: 890-569-1
SDG: TE012921032

Job ID: 890-569-1

Laboratory: Eurofins Xenco, Carlsbad

Narrative

Job Narrative 890-569-1

Receipt

The samples were received on 4/23/2021 1:14 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 9.8°C

Receipt Exceptions

The following samples analyzed for method BTEX 8021 were received and analyzed from an unpreserved bulk soil jar: BH02 (890-569-1), BH02 A (890-569-2), BH03 (890-569-3), BH03 A (890-569-4), BH04 (890-569-5), BH04 A (890-569-6), BH05 (890-569-7) and BH05A (890-569-8).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH02 (890-569-1), BH02 A (890-569-2), BH03 (890-569-3) and BH03 A (890-569-4). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

GC Semi VOA

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

HPLC/IC

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



Client Sample Results

Client: WSP USA Inc.
Project/Site: Nash Draw 8Job ID: 890-569-1
SDG: TE012921032

Client Sample ID: BH02

Lab Sample ID: 890-569-1

Date Collected: 04/23/21 10:25

Matrix: Solid

Date Received: 04/23/21 13:14

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 12:49	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 12:49	1
Ethylbenzene	0.00252		0.00199	mg/Kg		04/26/21 08:44	04/26/21 12:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/26/21 08:44	04/26/21 12:49	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 12:49	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/26/21 08:44	04/26/21 12:49	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		04/26/21 08:44	04/26/21 12:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/26/21 08:44	04/26/21 12:49	1
1,4-Difluorobenzene (Surr)	105		70 - 130	04/26/21 08:44	04/26/21 12:49	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		04/26/21 08:55	04/26/21 11:45	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/26/21 08:55	04/26/21 11:45	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/26/21 08:55	04/26/21 11:45	1
Total TPH	<49.9	U	49.9	mg/Kg		04/26/21 08:55	04/26/21 11:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130	04/26/21 08:55	04/26/21 11:45	1
o-Terphenyl	114		70 - 130	04/26/21 08:55	04/26/21 11:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	417		5.04	mg/Kg			04/26/21 15:29	1

Client Sample ID: BH02 A

Lab Sample ID: 890-569-2

Date Collected: 04/23/21 10:30

Matrix: Solid

Date Received: 04/23/21 13:14

Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 13:10	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 13:10	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 13:10	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/26/21 08:44	04/26/21 13:10	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 13:10	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/26/21 08:44	04/26/21 13:10	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		04/26/21 08:44	04/26/21 13:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	04/26/21 08:44	04/26/21 13:10	1
1,4-Difluorobenzene (Surr)	120		70 - 130	04/26/21 08:44	04/26/21 13:10	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Nash Draw 8

Job ID: 890-569-1
SDG: TE012921032

Client Sample ID: BH02 A

Lab Sample ID: 890-569-2

Date Collected: 04/23/21 10:30

Matrix: Solid

Date Received: 04/23/21 13:14

Sample Depth: - 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		04/26/21 08:55	04/26/21 12:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/26/21 08:55	04/26/21 12:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/26/21 08:55	04/26/21 12:50	1
Total TPH	<49.9	U	49.9	mg/Kg		04/26/21 08:55	04/26/21 12:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130	04/26/21 08:55	04/26/21 12:50	1
o-Terphenyl	109		70 - 130	04/26/21 08:55	04/26/21 12:50	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	164		4.97	mg/Kg			04/26/21 15:34	1

Client Sample ID: BH03

Lab Sample ID: 890-569-3

Date Collected: 04/23/21 10:40

Matrix: Solid

Date Received: 04/23/21 13:14

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00677		0.00198	mg/Kg		04/26/21 08:44	04/26/21 13:30	1
Toluene	0.00998		0.00198	mg/Kg		04/26/21 08:44	04/26/21 13:30	1
Ethylbenzene	0.0118		0.00198	mg/Kg		04/26/21 08:44	04/26/21 13:30	1
m-Xylene & p-Xylene	<0.00396	U	0.00396	mg/Kg		04/26/21 08:44	04/26/21 13:30	1
o-Xylene	<0.00198	U	0.00198	mg/Kg		04/26/21 08:44	04/26/21 13:30	1
Xylenes, Total	<0.00396	U	0.00396	mg/Kg		04/26/21 08:44	04/26/21 13:30	1
Total BTEX	0.0286		0.00396	mg/Kg		04/26/21 08:44	04/26/21 13:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	252	S1+	70 - 130	04/26/21 08:44	04/26/21 13:30	1
1,4-Difluorobenzene (Surr)	126		70 - 130	04/26/21 08:44	04/26/21 13:30	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	mg/Kg		04/26/21 08:55	04/26/21 13:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8	mg/Kg		04/26/21 08:55	04/26/21 13:12	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8	mg/Kg		04/26/21 08:55	04/26/21 13:12	1
Total TPH	<49.8	U	49.8	mg/Kg		04/26/21 08:55	04/26/21 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	04/26/21 08:55	04/26/21 13:12	1
o-Terphenyl	101		70 - 130	04/26/21 08:55	04/26/21 13:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.4		4.95	mg/Kg			04/26/21 15:49	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Nash Draw 8Job ID: 890-569-1
SDG: TE012921032

Client Sample ID: BH03 A

Lab Sample ID: 890-569-4

Date Collected: 04/23/21 10:45

Matrix: Solid

Date Received: 04/23/21 13:14

Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 13:51	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 13:51	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 13:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 13:51	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 13:51	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 13:51	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 13:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/26/21 08:44	04/26/21 13:51	1
1,4-Difluorobenzene (Surr)	115		70 - 130	04/26/21 08:44	04/26/21 13:51	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		04/26/21 08:55	04/26/21 13:34	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/26/21 08:55	04/26/21 13:34	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/26/21 08:55	04/26/21 13:34	1
Total TPH	<49.9	U	49.9	mg/Kg		04/26/21 08:55	04/26/21 13:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130	04/26/21 08:55	04/26/21 13:34	1
o-Terphenyl	97		70 - 130	04/26/21 08:55	04/26/21 13:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	31.8		5.05	mg/Kg			04/26/21 15:55	1

Client Sample ID: BH04

Lab Sample ID: 890-569-5

Date Collected: 04/23/21 11:00

Matrix: Solid

Date Received: 04/23/21 13:14

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 14:11	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 14:11	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 14:11	1
m-Xylene & p-Xylene	<0.00399	U	0.00399	mg/Kg		04/26/21 08:44	04/26/21 14:11	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 14:11	1
Xylenes, Total	<0.00399	U	0.00399	mg/Kg		04/26/21 08:44	04/26/21 14:11	1
Total BTEX	<0.00399	U	0.00399	mg/Kg		04/26/21 08:44	04/26/21 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	04/26/21 08:44	04/26/21 14:11	1
1,4-Difluorobenzene (Surr)	117		70 - 130	04/26/21 08:44	04/26/21 14:11	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Nash Draw 8

Job ID: 890-569-1
SDG: TE012921032

Client Sample ID: BH04

Lab Sample ID: 890-569-5

Date Collected: 04/23/21 11:00

Matrix: Solid

Date Received: 04/23/21 13:14

Sample Depth: - 0.5

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		04/26/21 08:55	04/26/21 13:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/26/21 08:55	04/26/21 13:55	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/26/21 08:55	04/26/21 13:55	1
Total TPH	<50.0	U	50.0	mg/Kg		04/26/21 08:55	04/26/21 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	04/26/21 08:55	04/26/21 13:55	1
o-Terphenyl	102		70 - 130	04/26/21 08:55	04/26/21 13:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		5.05	mg/Kg			04/26/21 16:00	1

Client Sample ID: BH04 A

Lab Sample ID: 890-569-6

Date Collected: 04/23/21 11:05

Matrix: Solid

Date Received: 04/23/21 13:14

Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		04/26/21 08:44	04/26/21 14:32	1
Toluene	<0.00202	U	0.00202	mg/Kg		04/26/21 08:44	04/26/21 14:32	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		04/26/21 08:44	04/26/21 14:32	1
m-Xylene & p-Xylene	<0.00404	U	0.00404	mg/Kg		04/26/21 08:44	04/26/21 14:32	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		04/26/21 08:44	04/26/21 14:32	1
Xylenes, Total	<0.00404	U	0.00404	mg/Kg		04/26/21 08:44	04/26/21 14:32	1
Total BTEX	<0.00404	U	0.00404	mg/Kg		04/26/21 08:44	04/26/21 14:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	04/26/21 08:44	04/26/21 14:32	1
1,4-Difluorobenzene (Surr)	109		70 - 130	04/26/21 08:44	04/26/21 14:32	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		04/26/21 08:55	04/26/21 14:17	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/26/21 08:55	04/26/21 14:17	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/26/21 08:55	04/26/21 14:17	1
Total TPH	<50.0	U	50.0	mg/Kg		04/26/21 08:55	04/26/21 14:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	04/26/21 08:55	04/26/21 14:17	1
o-Terphenyl	100		70 - 130	04/26/21 08:55	04/26/21 14:17	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	478		4.98	mg/Kg			04/26/21 16:05	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
Project/Site: Nash Draw 8Job ID: 890-569-1
SDG: TE012921032

Client Sample ID: BH05

Lab Sample ID: 890-569-7

Date Collected: 04/23/21 11:15

Matrix: Solid

Date Received: 04/23/21 13:14

Sample Depth: - 0.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202	mg/Kg		04/26/21 08:44	04/26/21 14:53	1
Toluene	<0.00202	U	0.00202	mg/Kg		04/26/21 08:44	04/26/21 14:53	1
Ethylbenzene	<0.00202	U	0.00202	mg/Kg		04/26/21 08:44	04/26/21 14:53	1
m-Xylene & p-Xylene	<0.00403	U	0.00403	mg/Kg		04/26/21 08:44	04/26/21 14:53	1
o-Xylene	<0.00202	U	0.00202	mg/Kg		04/26/21 08:44	04/26/21 14:53	1
Xylenes, Total	<0.00403	U	0.00403	mg/Kg		04/26/21 08:44	04/26/21 14:53	1
Total BTEX	<0.00403	U	0.00403	mg/Kg		04/26/21 08:44	04/26/21 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	04/26/21 08:44	04/26/21 14:53	1
1,4-Difluorobenzene (Surr)	95		70 - 130	04/26/21 08:44	04/26/21 14:53	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		04/26/21 08:55	04/26/21 14:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/26/21 08:55	04/26/21 14:38	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/26/21 08:55	04/26/21 14:38	1
Total TPH	<50.0	U	50.0	mg/Kg		04/26/21 08:55	04/26/21 14:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	04/26/21 08:55	04/26/21 14:38	1
o-Terphenyl	103		70 - 130	04/26/21 08:55	04/26/21 14:38	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	471		5.00	mg/Kg			04/26/21 16:10	1

Client Sample ID: BH05A

Lab Sample ID: 890-569-8

Date Collected: 04/23/21 11:20

Matrix: Solid

Date Received: 04/23/21 13:14

Sample Depth: - 1

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 15:13	1
Toluene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 15:13	1
Ethylbenzene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 15:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398	mg/Kg		04/26/21 08:44	04/26/21 15:13	1
o-Xylene	<0.00199	U	0.00199	mg/Kg		04/26/21 08:44	04/26/21 15:13	1
Xylenes, Total	<0.00398	U	0.00398	mg/Kg		04/26/21 08:44	04/26/21 15:13	1
Total BTEX	<0.00398	U	0.00398	mg/Kg		04/26/21 08:44	04/26/21 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130	04/26/21 08:44	04/26/21 15:13	1
1,4-Difluorobenzene (Surr)	102		70 - 130	04/26/21 08:44	04/26/21 15:13	1

Eurofins Xenco, Carlsbad

Client Sample Results

Client: WSP USA Inc.
 Project/Site: Nash Draw 8

Job ID: 890-569-1
 SDG: TE012921032

Client Sample ID: BH05A
Date Collected: 04/23/21 11:20
Date Received: 04/23/21 13:14
Sample Depth: - 1

Lab Sample ID: 890-569-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	mg/Kg		04/26/21 08:55	04/26/21 15:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	mg/Kg		04/26/21 08:55	04/26/21 15:00	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9	mg/Kg		04/26/21 08:55	04/26/21 15:00	1
Total TPH	<49.9	U	49.9	mg/Kg		04/26/21 08:55	04/26/21 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	04/26/21 08:55	04/26/21 15:00	1
o-Terphenyl	105		70 - 130	04/26/21 08:55	04/26/21 15:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		5.00	mg/Kg			04/26/21 16:15	1

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

Surrogate Summary

Client: WSP USA Inc.
Project/Site: Nash Draw 8

Job ID: 890-569-1
SDG: TE012921032

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-569-1	BH02	101	105
890-569-2	BH02 A	111	120
890-569-3	BH03	252 S1+	126
890-569-4	BH03 A	109	115
890-569-5	BH04	109	117
890-569-6	BH04 A	93	109
890-569-7	BH05	93	95
890-569-8	BH05A	97	102
LCS 880-2314/1-A	Lab Control Sample	94	111
LCSD 880-2314/2-A	Lab Control Sample Dup	95	107
MB 880-2314/5-A	Method Blank	106	85

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-569-1	BH02	100	114
890-569-1 MS	BH02	99	96
890-569-1 MSD	BH02	100	100
890-569-2	BH02 A	98	109
890-569-3	BH03	93	101
890-569-4	BH03 A	89	97
890-569-5	BH04	93	102
890-569-6	BH04 A	93	100
890-569-7	BH05	94	103
890-569-8	BH05A	99	105
LCS 880-2316/2-A	Lab Control Sample	98	101
LCSD 880-2316/3-A	Lab Control Sample Dup	97	100
MB 880-2316/1-A	Method Blank	88	99

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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QC Sample Results

Client: WSP USA Inc.
Project/Site: Nash Draw 8Job ID: 890-569-1
SDG: TE012921032

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-2314/5-A
Matrix: Solid
Analysis Batch: 2315Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2314

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Toluene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
m-Xylene & p-Xylene	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1
Total BTEX	<0.00400	U	0.00400	mg/Kg		04/26/21 08:44	04/26/21 12:07	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	106		70 - 130	04/26/21 08:44	04/26/21 12:07	1
1,4-Difluorobenzene (Surr)	85		70 - 130	04/26/21 08:44	04/26/21 12:07	1

Lab Sample ID: LCS 880-2314/1-A
Matrix: Solid
Analysis Batch: 2315Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2314

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	94		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Lab Sample ID: LCSD 880-2314/2-A
Matrix: Solid
Analysis Batch: 2315Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2314

Surrogate	LCSD	LCSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

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

Lab Sample ID: MB 880-2316/1-A
Matrix: Solid
Analysis Batch: 2308Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 2316

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		04/26/21 08:55	04/26/21 10:40	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		04/26/21 08:55	04/26/21 10:40	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		04/26/21 08:55	04/26/21 10:40	1
Total TPH	<50.0	U	50.0	mg/Kg		04/26/21 08:55	04/26/21 10:40	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	88		70 - 130	04/26/21 08:55	04/26/21 10:40	1
o-Terphenyl	99		70 - 130	04/26/21 08:55	04/26/21 10:40	1

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Nash Draw 8

Job ID: 890-569-1
SDG: TE012921032

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

Lab Sample ID: LCS 880-2316/2-A
Matrix: Solid
Analysis Batch: 2308

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 2316

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
							Lower	Upper
Gasoline Range Organics (GRO)-C6-C10	1000	995.7		mg/Kg		100	70	130
Diesel Range Organics (Over C10-C28)	1000	942.9		mg/Kg		94	70	130
		LCS	LCS					
Surrogate		%Recovery	Qualifier				Limits	
1-Chlorooctane		98					70 - 130	
o-Terphenyl		101					70 - 130	

Lab Sample ID: LCSD 880-2316/3-A
Matrix: Solid
Analysis Batch: 2308

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 2316

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
							Lower	Upper	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	995.1		mg/Kg		100	70	130	0	20
Diesel Range Organics (Over C10-C28)	1000	944.7		mg/Kg		94	70	130	0	20
		LCSD	LCSD							
Surrogate		%Recovery	Qualifier				Limits			
1-Chlorooctane		97					70 - 130			
o-Terphenyl		100					70 - 130			

Lab Sample ID: 890-569-1 MS
Matrix: Solid
Analysis Batch: 2308

Client Sample ID: BH02
Prep Type: Total/NA
Prep Batch: 2316

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	
									Lower	Upper
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1012		mg/Kg		101	70	130
Diesel Range Organics (Over C10-C28)	<49.9	U	998	936.9		mg/Kg		94	70	130
		MS	MS							
Surrogate		%Recovery	Qualifier				Limits			
1-Chlorooctane		99					70 - 130			
o-Terphenyl		96					70 - 130			

Lab Sample ID: 890-569-1 MSD
Matrix: Solid
Analysis Batch: 2308

Client Sample ID: BH02
Prep Type: Total/NA
Prep Batch: 2316

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
									Lower	Upper	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1045		mg/Kg		105	70	130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	998	979.2		mg/Kg		98	70	130	4	20
		MSD	MSD									
Surrogate		%Recovery	Qualifier				Limits					
1-Chlorooctane		100					70 - 130					

Eurofins Xenco, Carlsbad

QC Sample Results

Client: WSP USA Inc.
Project/Site: Nash Draw 8

Job ID: 890-569-1
SDG: TE012921032

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

Lab Sample ID: 890-569-1 MSD
Matrix: Solid
Analysis Batch: 2308

Client Sample ID: BH02
Prep Type: Total/NA
Prep Batch: 2316

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	100		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-2317/1-A
Matrix: Solid
Analysis Batch: 2343

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			04/26/21 13:47	1

Lab Sample ID: LCS 880-2317/2-A
Matrix: Solid
Analysis Batch: 2343

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	250	252.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-2317/3-A
Matrix: Solid
Analysis Batch: 2343

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	252.4		mg/Kg		101	90 - 110	0	20

QC Association Summary

Client: WSP USA Inc.
Project/Site: Nash Draw 8

Job ID: 890-569-1
SDG: TE012921032

GC VOA

Prep Batch: 2314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-569-1	BH02	Total/NA	Solid	5035	
890-569-2	BH02 A	Total/NA	Solid	5035	
890-569-3	BH03	Total/NA	Solid	5035	
890-569-4	BH03 A	Total/NA	Solid	5035	
890-569-5	BH04	Total/NA	Solid	5035	
890-569-6	BH04 A	Total/NA	Solid	5035	
890-569-7	BH05	Total/NA	Solid	5035	
890-569-8	BH05A	Total/NA	Solid	5035	
MB 880-2314/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-2314/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-2314/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 2315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-569-1	BH02	Total/NA	Solid	8021B	2314
890-569-2	BH02 A	Total/NA	Solid	8021B	2314
890-569-3	BH03	Total/NA	Solid	8021B	2314
890-569-4	BH03 A	Total/NA	Solid	8021B	2314
890-569-5	BH04	Total/NA	Solid	8021B	2314
890-569-6	BH04 A	Total/NA	Solid	8021B	2314
890-569-7	BH05	Total/NA	Solid	8021B	2314
890-569-8	BH05A	Total/NA	Solid	8021B	2314
MB 880-2314/5-A	Method Blank	Total/NA	Solid	8021B	2314
LCS 880-2314/1-A	Lab Control Sample	Total/NA	Solid	8021B	2314
LCSD 880-2314/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	2314

GC Semi VOA

Analysis Batch: 2308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-569-1	BH02	Total/NA	Solid	8015B NM	2316
890-569-2	BH02 A	Total/NA	Solid	8015B NM	2316
890-569-3	BH03	Total/NA	Solid	8015B NM	2316
890-569-4	BH03 A	Total/NA	Solid	8015B NM	2316
890-569-5	BH04	Total/NA	Solid	8015B NM	2316
890-569-6	BH04 A	Total/NA	Solid	8015B NM	2316
890-569-7	BH05	Total/NA	Solid	8015B NM	2316
890-569-8	BH05A	Total/NA	Solid	8015B NM	2316
MB 880-2316/1-A	Method Blank	Total/NA	Solid	8015B NM	2316
LCS 880-2316/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	2316
LCSD 880-2316/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	2316
890-569-1 MS	BH02	Total/NA	Solid	8015B NM	2316
890-569-1 MSD	BH02	Total/NA	Solid	8015B NM	2316

Prep Batch: 2316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-569-1	BH02	Total/NA	Solid	8015NM Prep	
890-569-2	BH02 A	Total/NA	Solid	8015NM Prep	
890-569-3	BH03	Total/NA	Solid	8015NM Prep	
890-569-4	BH03 A	Total/NA	Solid	8015NM Prep	
890-569-5	BH04	Total/NA	Solid	8015NM Prep	

Eurofins Xenco, Carlsbad

QC Association Summary

Client: WSP USA Inc.
Project/Site: Nash Draw 8

Job ID: 890-569-1
SDG: TE012921032

GC Semi VOA (Continued)

Prep Batch: 2316 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-569-6	BH04 A	Total/NA	Solid	8015NM Prep	
890-569-7	BH05	Total/NA	Solid	8015NM Prep	
890-569-8	BH05A	Total/NA	Solid	8015NM Prep	
MB 880-2316/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-2316/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-2316/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-569-1 MS	BH02	Total/NA	Solid	8015NM Prep	
890-569-1 MSD	BH02	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 2317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-569-1	BH02	Soluble	Solid	DI Leach	
890-569-2	BH02 A	Soluble	Solid	DI Leach	
890-569-3	BH03	Soluble	Solid	DI Leach	
890-569-4	BH03 A	Soluble	Solid	DI Leach	
890-569-5	BH04	Soluble	Solid	DI Leach	
890-569-6	BH04 A	Soluble	Solid	DI Leach	
890-569-7	BH05	Soluble	Solid	DI Leach	
890-569-8	BH05A	Soluble	Solid	DI Leach	
MB 880-2317/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-2317/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-2317/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 2343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-569-1	BH02	Soluble	Solid	300.0	2317
890-569-2	BH02 A	Soluble	Solid	300.0	2317
890-569-3	BH03	Soluble	Solid	300.0	2317
890-569-4	BH03 A	Soluble	Solid	300.0	2317
890-569-5	BH04	Soluble	Solid	300.0	2317
890-569-6	BH04 A	Soluble	Solid	300.0	2317
890-569-7	BH05	Soluble	Solid	300.0	2317
890-569-8	BH05A	Soluble	Solid	300.0	2317
MB 880-2317/1-A	Method Blank	Soluble	Solid	300.0	2317
LCS 880-2317/2-A	Lab Control Sample	Soluble	Solid	300.0	2317
LCSD 880-2317/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	2317

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Nash Draw 8

Job ID: 890-569-1
SDG: TE012921032

Client Sample ID: BH02

Lab Sample ID: 890-569-1

Date Collected: 04/23/21 10:25

Matrix: Solid

Date Received: 04/23/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 12:49	KL	XM
Total/NA	Prep	8015NM Prep			2316	04/26/21 08:55	DM	XM
Total/NA	Analysis	8015B NM		1	2308	04/26/21 11:45	AJ	XM
Soluble	Leach	DI Leach			2317	04/26/21 09:41	SC	XM
Soluble	Analysis	300.0		1	2343	04/26/21 15:29	SC	XM

Client Sample ID: BH02 A

Lab Sample ID: 890-569-2

Date Collected: 04/23/21 10:30

Matrix: Solid

Date Received: 04/23/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 13:10	KL	XM
Total/NA	Prep	8015NM Prep			2316	04/26/21 08:55	DM	XM
Total/NA	Analysis	8015B NM		1	2308	04/26/21 12:50	AJ	XM
Soluble	Leach	DI Leach			2317	04/26/21 09:41	SC	XM
Soluble	Analysis	300.0		1	2343	04/26/21 15:34	SC	XM

Client Sample ID: BH03

Lab Sample ID: 890-569-3

Date Collected: 04/23/21 10:40

Matrix: Solid

Date Received: 04/23/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 13:30	KL	XM
Total/NA	Prep	8015NM Prep			2316	04/26/21 08:55	DM	XM
Total/NA	Analysis	8015B NM		1	2308	04/26/21 13:12	AJ	XM
Soluble	Leach	DI Leach			2317	04/26/21 09:41	SC	XM
Soluble	Analysis	300.0		1	2343	04/26/21 15:49	SC	XM

Client Sample ID: BH03 A

Lab Sample ID: 890-569-4

Date Collected: 04/23/21 10:45

Matrix: Solid

Date Received: 04/23/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 13:51	KL	XM
Total/NA	Prep	8015NM Prep			2316	04/26/21 08:55	DM	XM
Total/NA	Analysis	8015B NM		1	2308	04/26/21 13:34	AJ	XM
Soluble	Leach	DI Leach			2317	04/26/21 09:41	SC	XM
Soluble	Analysis	300.0		1	2343	04/26/21 15:55	SC	XM

Eurofins Xenco, Carlsbad

Lab Chronicle

Client: WSP USA Inc.
Project/Site: Nash Draw 8

Job ID: 890-569-1
SDG: TE012921032

Client Sample ID: BH04

Lab Sample ID: 890-569-5

Date Collected: 04/23/21 11:00

Matrix: Solid

Date Received: 04/23/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 14:11	KL	XM
Total/NA	Prep	8015NM Prep			2316	04/26/21 08:55	DM	XM
Total/NA	Analysis	8015B NM		1	2308	04/26/21 13:55	AJ	XM
Soluble	Leach	DI Leach			2317	04/26/21 09:41	SC	XM
Soluble	Analysis	300.0		1	2343	04/26/21 16:00	SC	XM

Client Sample ID: BH04 A

Lab Sample ID: 890-569-6

Date Collected: 04/23/21 11:05

Matrix: Solid

Date Received: 04/23/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 14:32	KL	XM
Total/NA	Prep	8015NM Prep			2316	04/26/21 08:55	DM	XM
Total/NA	Analysis	8015B NM		1	2308	04/26/21 14:17	AJ	XM
Soluble	Leach	DI Leach			2317	04/26/21 09:41	SC	XM
Soluble	Analysis	300.0		1	2343	04/26/21 16:05	SC	XM

Client Sample ID: BH05

Lab Sample ID: 890-569-7

Date Collected: 04/23/21 11:15

Matrix: Solid

Date Received: 04/23/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 14:53	KL	XM
Total/NA	Prep	8015NM Prep			2316	04/26/21 08:55	DM	XM
Total/NA	Analysis	8015B NM		1	2308	04/26/21 14:38	AJ	XM
Soluble	Leach	DI Leach			2317	04/26/21 09:41	SC	XM
Soluble	Analysis	300.0		1	2343	04/26/21 16:10	SC	XM

Client Sample ID: BH05A

Lab Sample ID: 890-569-8

Date Collected: 04/23/21 11:20

Matrix: Solid

Date Received: 04/23/21 13:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			2314	04/26/21 08:44	KL	XM
Total/NA	Analysis	8021B		1	2315	04/26/21 15:13	KL	XM
Total/NA	Prep	8015NM Prep			2316	04/26/21 08:55	DM	XM
Total/NA	Analysis	8015B NM		1	2308	04/26/21 15:00	AJ	XM
Soluble	Leach	DI Leach			2317	04/26/21 09:41	SC	XM
Soluble	Analysis	300.0		1	2343	04/26/21 16:15	SC	XM

Laboratory References:

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

Eurofins Xenco, Carlsbad

Accreditation/Certification Summary

Client: WSP USA Inc.
Project/Site: Nash Draw 8

Job ID: 890-569-1
SDG: TE012921032

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	T104704400-20-21	06-30-21

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
8015B NM	8015NM Prep	Solid	Total TPH
8021B	5035	Solid	Total BTEX

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Method Summary

Client: WSP USA Inc.
Project/Site: Nash Draw 8

Job ID: 890-569-1
SDG: TE012921032

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

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.

Laboratory References:

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



Sample Summary

Client: WSP USA Inc.
Project/Site: Nash Draw 8

Job ID: 890-569-1
SDG: TE012921032

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-569-1	BH02	Solid	04/23/21 10:25	04/23/21 13:14	- 0.5
890-569-2	BH02 A	Solid	04/23/21 10:30	04/23/21 13:14	- 1
890-569-3	BH03	Solid	04/23/21 10:40	04/23/21 13:14	- 0.5
890-569-4	BH03 A	Solid	04/23/21 10:45	04/23/21 13:14	- 1
890-569-5	BH04	Solid	04/23/21 11:00	04/23/21 13:14	- 0.5
890-569-6	BH04 A	Solid	04/23/21 11:05	04/23/21 13:14	- 1
890-569-7	BH05	Solid	04/23/21 11:15	04/23/21 13:14	- 0.5
890-569-8	BH05A	Solid	04/23/21 11:20	04/23/21 13:14	- 1

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Chain of Custody

Work Order No: _____

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) 565-3443 Lubbock, TX (806) 794-1296
 Hobbs, NM (575) 382-7550 Phoenix, AZ (480) 355-0900 Atlanta, GA (770) 449-8800 Tampa, FL (813) 620-2000
 www.xenco.com Page _____ of _____

Project Manager: Dan Moir
 Company Name: WSP USA Inc, Permian office
 Address: 3300 North A Street
 City, State ZIP: Midland, TX 79705
 Phone: (432) 236-3849
 Email: elizabeth.naka@wsp.com, dan.moir@wsp.com

Bill to: (if different) Kyle Littlell
 Company Name: XTO Energy
 Address: 522 West Mermond
 City, State ZIP: Carlsbad, NM 88220

Program: UST/PST RP Brownfields RC Spillfund
 State of Project: _____
 Reporting Level: Level II Level III P/T/UST RP Level IV
 Deliverables: EDD ADAPT Other: _____

Project Name: Nask Draw B
 Project Number: TE01292032
 P.O. Number: Eddy County
 Sampler's Name: Elizabeth Naka
 Turn Around: Routine
 Rush: 24hr

Temp Blank: Yes No
 Temperature (°C): 10.0
 Received Intact: Yes No
 Cooler Custody Seals: Yes No
 Sample Custody Seals: Yes No
 Correction Factor: 9.8
 Total Containers: _____



890-569 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Number of Containers			Sample Comments
					TPH (EPA 8015)	BTEX (EPA 0-8021)	Chloride (EPA 300.0)	
BH02	S	4/25/21	10:25	0.5'	X	X	X	back
BH02A			10:30	1'				
BH03			10:40	0.5'				
BH03A			10:45	1'				
BH04			11:00	0.5'				
BH04A			11:05	1'				
BH05			11:15	0.5'				
BH05A			11:20	1'				

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 Ti 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
		4/23/21 13:24			

Revised Date 05/14/18 Rev. 2018 1

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Eurofins Xenco, Carlsbad

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

Chain of Custody Record



Environment Testing America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking Note(s)	COC No.
Eurofins Xenco		Phone:	Kramer Jessica		890-182-1
Shipping/Receiving		E-Mail:	Jessica.kramer@eurofins.com	State of Origin	Page 1 of 1
Address: 1211 W. Florida Ave		Due Date Requested	NE-LAP - Louisiana NE-LAP - Texas	New Mexico	Page 1 of 1
City: Midland		TAT Requested (days)			Job #: 890-569-1
State, Zip: TX 79701					Preservation Codes
Phone: 432-704-6440(Tel)					A HCL B - NaOH C Zn Acetate D Nitric Acid E NaHSO4 F MeOH G Amthlor H - Ascorbic Acid I Ice J DI Water K EDTA L EDA Other
Email:					M Hexane N - None O AsNaO2 P Na2O4S Q Na2SO3 R Na2S2O3 S H2SO4 T TSP Dodecylsulfate U Acetone V MCAA W - pH 4.5 Z other (specify)
Project Name: Nash Draw 8		Project #:			
Site:		SSOV#:			

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=washsol, B=bitumen, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note:
BH02 (890-569-1)	4/23/21	10 25	Mountain	Solid	X	X		1	
BH02 A (890-569-2)	4/23/21	10 30	Mountain	Solid	X	X		1	
BH03 (890-569-3)	4/23/21	10 40	Mountain	Solid	X	X		1	
BH03 A (890-569-4)	4/23/21	10 45	Mountain	Solid	X	X		1	
BH04 (890-569-5)	4/23/21	11 00	Mountain	Solid	X	X		1	
BH04 A (890-569-6)	4/23/21	11 05	Mountain	Solid	X	X		1	
BH05 (890-569-7)	4/23/21	11 15	Mountain	Solid	X	X		1	
BH05A (890-569-8)	4/23/21	11 20	Mountain	Solid	X	X		1	

Note: Since laboratory accreditations are subject to change, Eurofins Xenco LLC places the ownership of method analyte & accreditation compliance upon our subcontracted 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, 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 compliance to Eurofins Xenco LLC.

Possible Hazard Identification

Unconfirmed

Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2

Empty Kit Relinquished by _____ Date _____

Relinquished by Gabry Ordinez Date/Time 4/23/21 Company _____

Relinquished by _____ Date/Time _____ Company _____

Relinquished by _____ Date/Time _____ Company _____

Custody Seals Intact Yes No Custody Seal No

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Method of Shipment: _____

Received by _____ Date/Time: 4/26/21 8:30am Company _____

Received by _____ Date/Time: _____ Company _____

Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-569-1
SDG Number: TE012921032

Login Number: 569
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	

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Login Sample Receipt Checklist

Client: WSP USA Inc.

Job Number: 890-569-1
SDG Number: TE012921032

Login Number: 569
List Number: 2
Creator: Copeland, Tatiana

List Source: Eurofins Midland
List Creation: 04/26/21 09:09 AM

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

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

CONDITIONS
 Action 27792

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 27792
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2105537640 NASH DRAW #8 SWD, thank you. This closure is approved.	8/18/2021