OCTOBER 07, 2019

RELEASE CLOSURE REPORT

XTO ENERGY, INC. – EMSU B #856 (API#: 30-025-04224)

1RP-2371

Prepared for: XTO Energy, Inc.

Prepared by: Sport Environmental Services, LLC

502 N. Big Spring St.

Midland, TX 79701

www.sportenv.com

October 07, 2019

Environmental Specialist Team
New Mexico Oil Conservation Division
District 1 (Hobbs)
1625 N. French Dr.
Hobbs, NM 882140

Re: Release Closure Report
XTO Energy, Inc.
Eunice Monument South Unit (EMSU) B #856
RP #: 1RP-371
Approximate Geographic Coordinates: 32.590340°N, -103.326110°W
Unit Letter K, Section 11, Township 20S, Range 36E
Lea County, New Mexico

Dear NMOCD Environmental Specialists:

This documentation is being provided as part of XTO Energy, Inc. *(XTO* or *Client)* efforts to address historical releases that may have been addressed in the past, but which appear not to have documentation from the New Mexico Oil Conservation Division *(NMOCD)* clearly demonstrating approved closure of the release. The release referenced above was included in the list of historical releases which occurred prior to August 14, 2018 that are intended to be addressed as described within the "Compliance Agreement for Remediation for Historical Releases" *(Compliance Agreement)* entered into by NMOCD and XTO on November 8, 2018.

Executive Summary

Sport Environmental Services, LLC has prepared, on behalf of XTO, a Release Closure Report for the Eunice Monument South Unit B #856 (*EMSU B #856* or *subject site)* where, based on a review of NMOCD records, a release of produced water and skim oil had occurred. This request for closure is based on a review of the NMOCD's Environmental and Administrative Records Database, historical aerial imagery, and recent confirmation soil sampling which suggest that remedial efforts took place and appear to have been successful. However, several years have passed since remedial work would have been completed and any final paperwork confirming NMOCD's closure of this site was unavailable, Sport Environmental performed additional soil sampling and review activities that indicated that the release had been successfully remediated. For this reason, a request for closure is being made to clearly document that the release has been addressed with no further work required.

The Initial C-141 Form associated with this release indicated that the release occurred on December 6, 2008 when a leak in a fiberglass flow line developed releasing approximately 150 BBLs of produced water with an oil skim. Records from the time of the release indicated that a rapid response to the leak began upon discovery with a vacuum truck used to remove freestanding fluids. In addition, records from this period indicate that a backhoe would be utilized to remove contaminated soil from the release site and that this soil would be hauled to an NMOCD approved disposal facility. As will be discussed later in this report, aerial imagery and additional confirmation soil sampling indicated that soil in the area does not appear to exhibit signs of impact from this release. The full soil sampling results are available herein and demonstrate

Site Assessment, Characterization, and Groundwater Depth Determination

As part of assessment and characterization of the subject site, aerial imagery was evaluated for the presence of major watercourses within a 0.5-mile radius of the release site. Aerial imagery demonstrating the absence of such watercourses within a 0.5-mile radius of the release site can be found within **Attachment B**.

A groundwater depth evaluation was performed as well. The relevant New Mexico Office of the State Engineer (NMOSE) and the United States Geological Survey (USGS) databases and GIS query tools were reviewed for groundwater depth information. A 0.5-mile bounding box was utilized when searching the USGS National Water Information System; however, no results appeared within this radius. The radius was expanded to 1.0-mile for this query and also yielded no results. Next, a similar query was performed using the NMOSE Water Rights Reporting System, and at the one-mile radius no results were available. Due to the lack of available groundwater data, the query radius was expanded again to 1.5-miles. This expanded search radius revealed 19 wells drilled between 1958 and 2016 with depths ranging between 20 feet and 265 feet. Based on this data and prior notes from NMOCD that are associated with the subject site and available on the original Initial C-141, the depth to water is estimated to be approximately 32 feet. Please see **Figure 1** and **Figure 2** on the following pages for the results of the USGS and NMOSE queries which have established groundwater depth at the site to be approximately 32 feet below ground surface ('bgs). Based on this data, the appropriate remediation standard specified in the NMOCD Table 1 (NMAC 19.15.29.11) will be applied.

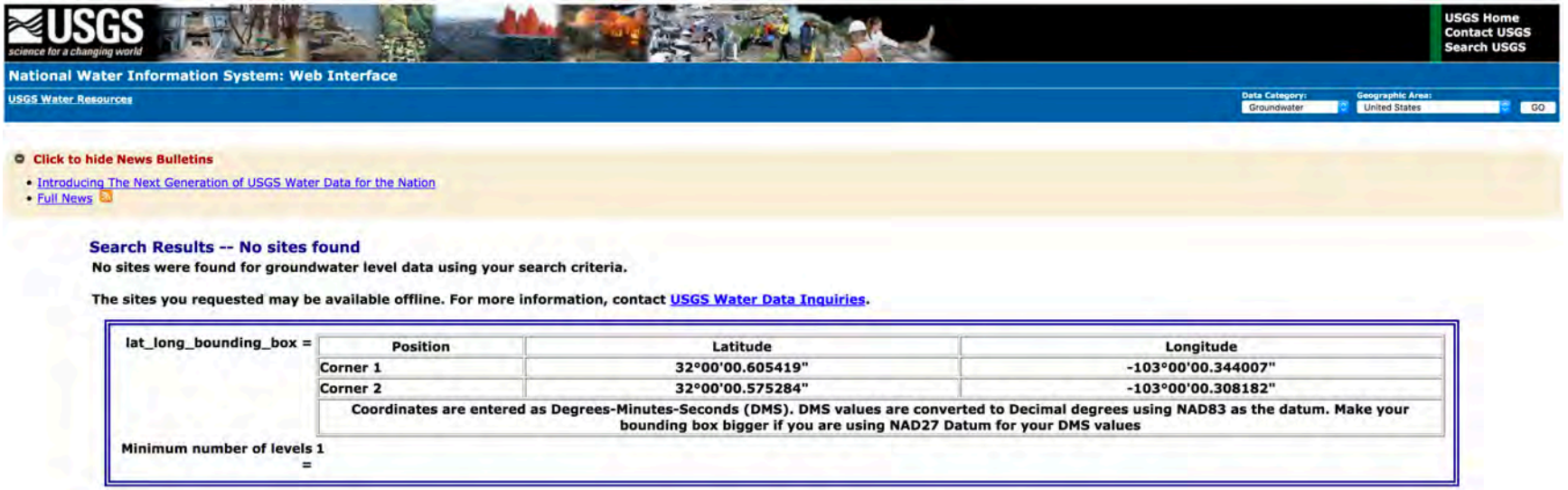


Figure 1. *USGS National Water Information System – No results within 1.0-mile of subject site*

EMSU B #856
1R-2371

Water Well ID	Lat	Long	Distance from Release (miles)	Drilled Date	DTW (ft)
L 10160 S	32.592232	-103.308942	1.01	5/12/91	55
L 04507	32.574985	-103.322890	1.08	8/31/59	53
L 10160	32.587598	-103.307761	1.09	5/10/91	55
L 13524 POD 1	32.589834	-103.306388	1.15	3/25/14	33
L 10135	32.574981	-103.318597	1.15	6/12/90	20
L 04736	32.607667	-103.331413	1.23	10/21/61	92
L 06667	32.572257	-103.323963	1.26	4/29/70	55
L 13752 POD 1	32.583861	-103.305444	1.29	1/11/16	31
L 13752 POD 3	32.583139	-103.304972	1.33	1/12/16	31
L 12435 POD 1	32.606850	-103.313842	1.34	6/9/09	37
L 13752 POD 2	32.583555	-103.304639	1.34	1/12/16	31
L 06986	32.572229	-103.334711	1.35	8/30/72	265
L 12431 POD 1	32.606864	-103.312289	1.39	6/13/09	38
L 13752 POD 4	32.582750	-103.303945	1.40	1/12/16	31
L 12430 POD 1	32.607933	-103.313942	1.40	6/10/09	37
L 03921	32.611326	-103.327115	1.44	7/17/58	50
L 12434 POD 1	32.607544	-103.311564	1.45	6/11/09	38
L 12432 POD 1	32.607056	-103.310777	1.45	6/12/09	35
L 12433 POD 1	32.608209	-103.311822	1.48	6/10/09	38

Query Date - 11/07/2018

***Figure 2**. NMOSE Query Results (Groundwater at approximately 32'bgs based on this query and prior notes from NMOCD)*

Given a groundwater depth of approximately 32'bgs, the appropriate closure criteria for impacted soils at the subject site would appear to be as follows:

Table 1: Site Closure Criteria (Adapted from NMOCD Table 1(NMAC 19.15.29.11))

Closure Criteria for Soils Impacted by a Release: Minimum depth below any point within the horizontal boundary of the release to groundwater is less than or equal to 50 feet	
Constituent	***Limit (mg/Kg)***
Chloride	600
TPH (Total Petroleum Hydrocarbons) (GRO+DRO+MRO)	100
BTEX (Benzene, Toluene, Ethylbenzene, and Xylenes)	50
Benzene	10

The Initial C-141 that was available on NMOCD's Administrative and Environmental Imaging Database indicates that the excavation and disposal of impacted soils was planned. NMOCD Environmental Engineer Mr. Geoffrey Leking appears to have granted approval for work to be performed at the site on December 30, 2009. Since no further records were available, Sport Environmental performed confirmation soil sampling at the location that appeared most likely, based on review of aerial imagery and on-site topography, to have experienced the release. The release area sampled was located near the well pad and several flow lines – this location is displayed on the Release Site Plan denoting sample location placement in **Attachment C.**

Soil Sampling Protocol and Scope

On June 27, 2019, discrete depth samples were collected utilizing an air rotary drilling rig operated by Harrison Cooper, Inc. *(HCI)*. Soil samples were collected at 0-1 feet below ground surface ('bgs), 5'bgs, 10'bgs, 15'bgs, and at 20' bgs. The borehole drilling notes that Mr. David Lagoski (HCI Operations Manager) provided are included as a boring log in **Attachment D**.

The sample locations associated with this confirmation soil sampling were selected to be representative of the affected area and to account for safety concerns regarding the position of safety hazards including subsurface lines, above-ground flowlines, and other equipment in the vicinity of the subject site. A background soil sample was collected to confirm horizontal delineation of the subject site. Two additional soil boreholes (SB1 and SB2) were planned for this site. However, due to safety constraints associated with the large air rotary rig only the SB2 sample point could be completed. Sport Environmental attempted to sample the SB1 location, but was prevented from doing so by the hard caliche layer which refused the stainless-steel hand auger and later attempts with a small, truck-mounted Geoprobe. Since results for all of the constituents analyzed at both the background soil sample point and SB2 were well below the closure criteria limits and, in many cases, were non-detect, further attempts at sampling SB1 were halted. Soil in the vicinity appeared to be homogenous and unlikely to vary between these three points.

All soil samples were properly collected and preserved in accordance with proper sampling protocols to ensure representative characterization of soils submitted to Eurofins TestAmerica, a NELAP certified laboratory, under proper chain-of-custody for analysis. Each constituent was analyzed using appropriate analytical methods. Chlorides were analyzed using EPA Method 300, Total Petroleum Hydrocarbons (TPH) using Method 8015B, and BTEX constituents on the using Method 8260.

Soil Sampling Results

Laboratory analytical results indicated that impacts from the release had been addressed in the past and that the subject site is clean. A summary of results is available in the table below and full analytical results, inclusive of the chain-of-custody, are provided in **Attachment E.**

Table 2. Soil Sampling Results (June 27, 2019 Confirmation Sampling)

Analyte	Benzene	Toluene	Ethylbenzene	Xylenes, Total	Gasoline Range Organics [C6 - C10]	Diesel Range Organics [C10-C28]	MRO (C28-C35)	Chloride
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Closure Criteria for soils where the minimum depth to groundwater is less than 50 feet	**10**	**Total BTEX limit is 50 mg/Kg**			**Total TPH limit is 100 mg/Kg**			**600**
490-176553-1 BG-001 @ 0-1'bgs 6/27/2019 8:49 AM	**0.000736**	**0.00135**	ND	ND	ND	ND	ND	ND
490-176553-2 BG-001 @ 5 'bgs 6/27/2019 8:50 AM	ND	ND	ND	ND	ND	**2.9**	ND	ND
490-176553-3 BG-001 @ 10 'bgs 6/27/2019 8:51 AM	ND	ND	ND	ND	ND	ND	ND	**35.7**
490-176553-4 BG-001 @ 15 'bgs 6/27/2019 8:52 AM	ND	ND	ND	ND	ND	ND	ND	**150**
490-176553-5 BG-001 @ 20 'bgs 6/27/2019 8:53 AM	ND	ND	ND	ND	ND	ND	ND	**89.5**
490-176553-6 SB2-001 @ 0-1 'bgs 6/27/2019 9:00 AM	**0.000806**	**0.00132**	ND	ND	ND	**2.83**	ND	ND
490-176553-7 SB2-001 @ 5 'bgs 6/27/2019 9:01 AM	ND	ND	ND	ND	ND	ND	ND	ND
490-176553-8 SB2-001 @ 10 'bgs 6/27/2019 9:02 AM	ND	ND	ND	ND	ND	ND	ND	**56.1**
490-176553-9 SB2-001 @ 15 'bgs 6/27/2019 9:03 AM	ND	ND	ND	ND	ND	ND	ND	**212**
490-176553-10 SB2-001 @ 20 'bgs 6/27/2019 9:04 AM	ND	ND	ND	ND	ND	ND	ND	**54.2**

The confirmation sampling showed that the soil at the subject site is clean. Small plants were observed to be growing within the release footprint during the site visit and are visible in aerial imagery. A review of aerial imagery depicting the subject site just prior to the release date to the most recent available images reveals that earthworks to remediate the release took place. The images associated with this review are available below for NMOCD's convenience. The images that follow show that the presumed release area appears to be in a similar condition to its pre-release condition.

***Figure 3**. Georeferenced Google Earth image depicting the subject site in its pre-release condition.*

Figure 4*. Georeferenced Google Earth image showing the subject site is shown after the release during a period when remedial activities were likely performed to address the release.*

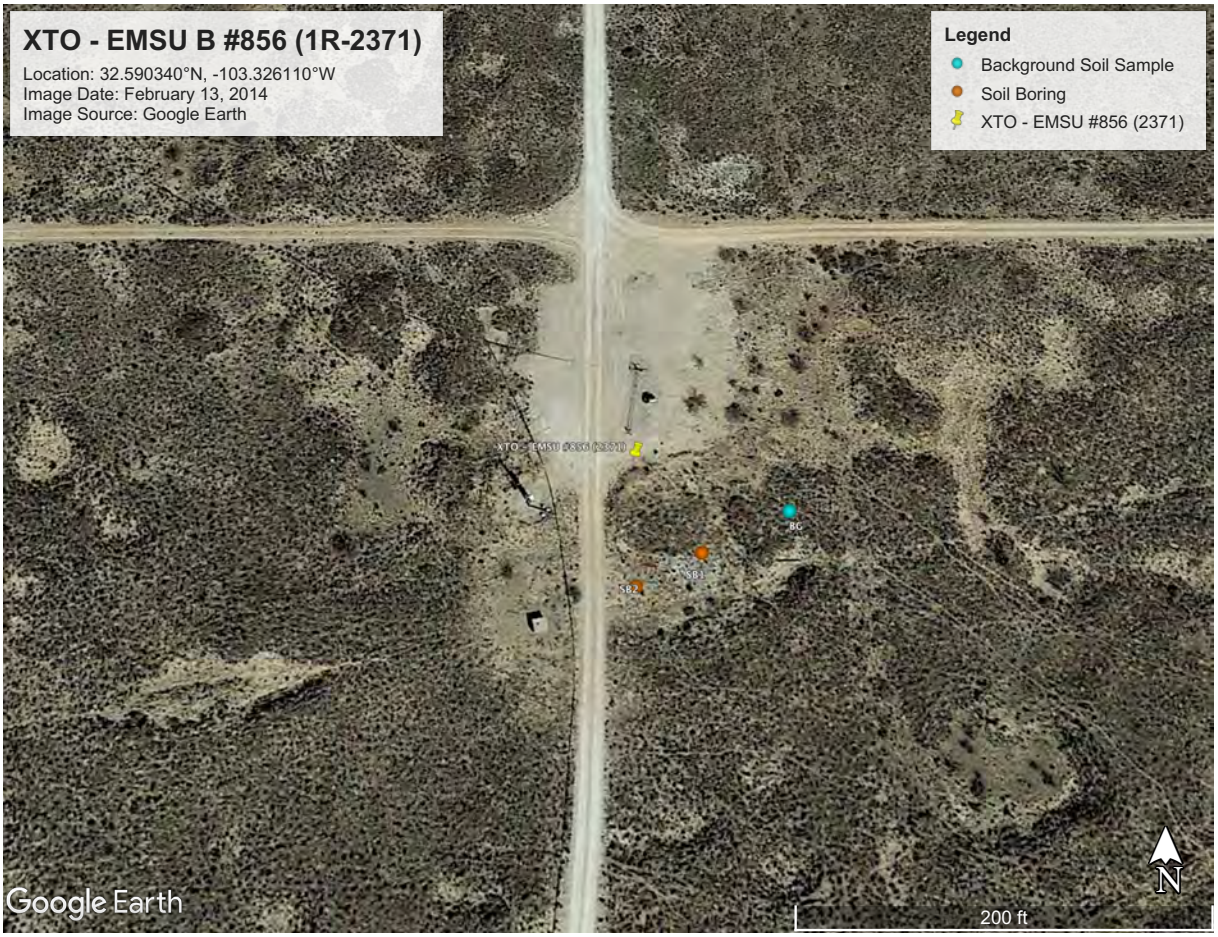


Figure 5*. Georeferenced Google Earth showing that some vegetation is present.*

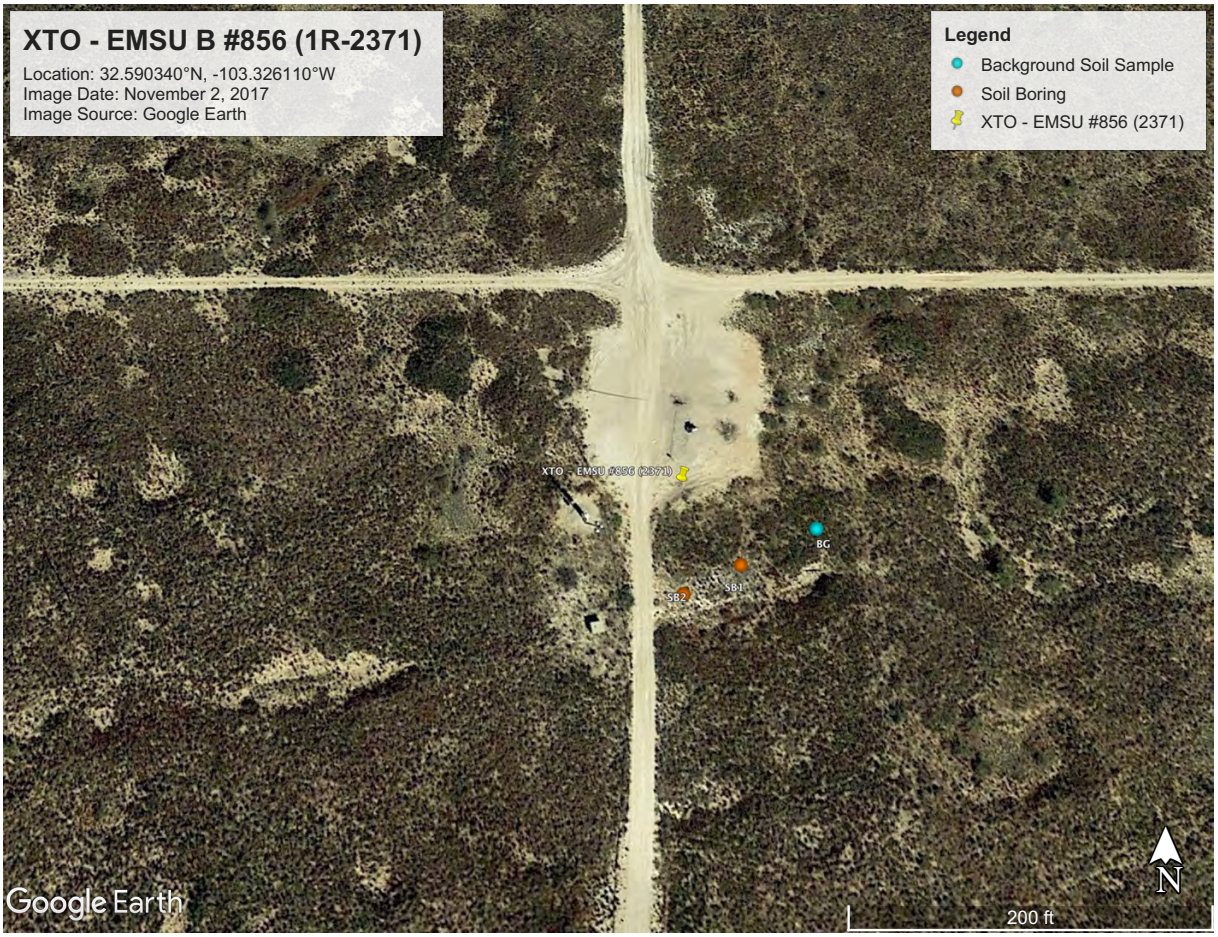


Figure 6. *Georeferenced Google Earth image. This is the most current aerial image of the subject site that is available at the time of report preparation. The image is from November of 2017 and shows that vegetation appears to have been re-established.*

As shown in Figure 3 through Figure 6, the remedial work that was referenced in the Initial Form C-141 from 2008 has resulted in the re-establishment of vegetation at the subject site and the presumed release location matches the topography of the surrounding area. The geo-tagged site photos that follow provide additional close-up views of vegetation and topography.

Geo-tagged Site Photographs

Photographs showing the release location and soil sampling activities are provided in the photographic log below. When possible, the photographs were geotagged to contain the geographic coordinates, date, time, and other data associated with their capture.

Photographic Log: June 27, 2019

Photograph	Description
	Drone image showing the release location. The release location and a power line are visible. Several above-ground flowlines were also present at the subject site, so special care was taken in avoiding these flowlines as well as sub-surface piping. Care was taken to ensure that the large air rotary drilling rig could be safely utilized for discrete depth sampling.
	Placard displaying the name of the subject site. Photograph taken in February during site visit to observe topography and likely spill path.

	Background (BG) sample location is pictured as the air rotary drilling rig is prepared.
	Soil boring 2 (SB2) sample location is pictured here. No visual or olfactory indications of contamination were present. The subject site is visible. The photograph shows that vegetation is present at the subject site and that the topography matches the surrounding area. *Note: SB1 shown on the sample map could not be sampled due to safety concerns associated with the proximity of surface and subsurface lines. The soil was too hard to be sampled with a hand auger or Geoprobe.*

Request for Release Closure - Confirmation Sampling Demonstrates Subject Site is Remediated

Based on the analytical data provided herein, the concentrations of all constituents (i.e., Chlorides, TPH, Benzene, Toluene, Ethylbenzene, and Xylenes) at the subject site were well below their respective limits. In addition, based on a review of aerial imagery and this confirmation sampling, it would appear that work outlined in the Initial C-141 from 2008 was performed in the past and that the remedial tasks were successful in restoring the subject site to its pre-release conditions. Vegetation has been reestablished and the topography of the location is similar to its surroundings.

Sport Environmental, on behalf of XTO Energy requests that closure status be granted for the Eunice Monument South Unit (EMSU) B #856 which was assigned the 1R-2371 identifier. If NMOCD have any further questions or comments regarding this request for closure, please contact us at (432) 683-1100.

Sincerely,

Deborah S. Moore

Deborah S. Moore, ME, REPA, CESCO, RSO
President/Environmental Engineer
Sport Environmental Services, LLC

cc: Mr. Shelby Pennington (XTO Energy, Inc.)

List of Attachments:

A *NMOCD Form C-141 (Closure) and Original Initial C-141*
B *0.5-Mile Radius Map Denoting Absence of Major Watercourses*
C *Release Site Plan Denoting Sample Locations*
D *Boring Log*
E *Full Analytical Results and Chain-of-Custody*

Attachment A

NMOCD Form C-141 (Closure)

and

Initial Form C-141 (Original from 2008)

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy, Inc.	OGRID 5380
Contact Name Mr. Shelby Pennington, Environmental Supervisor	Contact Telephone (281) 723-9353
Contact email Shelby_pennington@xtoenergy.com	Incident # *(assigned by OCD)*
Contact mailing address 6401 Holiday Hill Road, Midland, TX 79707	

Location of Release Source

Latitude 32.590340 Longitude -103.326110
(NAD 83 in decimal degrees to 5 decimal places)

Eunice Monument South Unit B #856	Site Type Flow Line
Date Release Discovered December 16, 2008	API# *(if applicable)* 30-025-04224

Unit Letter	Section	Township	Range	County
K	11	20S	36E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (*Name: Faye Klein*)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☒ Crude Oil	Volume Released (bbls) skim	Volume Recovered (bbls) 0
☒ Produced Water	Volume Released (bbls) 150	Volume Recovered (bbls) 65
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☐ Yes ☒ No ***Note:*** *Unknown since records were from the time of this release were unavailable. Chloride concentrations were likely less than 10,000 mg/L based on a review aerial imagery that did not indicate significant impacts to vegetation.*
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release

A leak in a fiberglass flow line occurred causing the release.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☒ Yes ☐ No	If YES, for what reason(s) does the responsible party consider this a major release? Since more than 25 BBLs of fluid were released, this event would now be considered a major release.

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?
Mr. Gene Hudson (XTO Maintenance Foreman) provided Mr. Mark Whittacker (NMOCD) and Ms. Trishia BadBear (BLM) with notification of the release upon its discovery at 3:00 p.m. on the date of the release.

Initial Response

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

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

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

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

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

Printed Name: Shelby Pennington Title: Environmental Coordinator

Signature: Shelby Pennington Date: 4/15/20

email: shelby_pennington@xtoenergy.com Telephone: 281-723-9353

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	32 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☒ Yes ☐ No

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

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

☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
☒ Field data
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information ***(NOTE: Photographs from the original work performed in 2009 are unavailable. However, aerial imagery from this period has been provided to supplement the record). Photos from current sampling include all available metadata.***
☒ 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.

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: Shelby Pennington Title: Environmental Coordinator

Signature: Shelby Pennington Date: 4/15/20

email: shelby_pennington@xtoenergy.com Telephone: 281-723-9353

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

NOTE: A Remediation Plan may have been prepared by the individuals who addressed this release in the past; however, a copy of the plan, if it exists, was unavailable when this formal request for closure was prepared.

Remediation Plan Checklist: ***Each of the following items must be included in the plan.***

- ☐ Detailed description of proposed remediation technique
- ☐ Scaled sitemap with GPS coordinates showing delineation points
- ☐ Estimated volume of material to be remediated
- ☐ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☐ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: ***Each of the following items must be confirmed as part of any request for deferral of remediation.***

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

Incident ID	nGRL0835364317
District RP	
Facility ID	
Application ID	

Closure

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

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

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

☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) ***(Note: This release closure is being submitted to formally close a release that occurred over a decade ago and photographs of the site from this time period were unavailable)***

☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Shelby Pennington Title: Environmental Coordinator

Signature: Shelby Pennington Date: 4/15/20

email: shelby_pennington@xtoenergy.com Telephone: 281-723-9353

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: Bradford Billings Date: 09/20/2021

Printed Name: Bradford Billings Title: Envi.Spec.A

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company XTO Energy, Inc.	Contact Gene Hudson
Address P.O. Box 700 Eunice,N.M. 88231	Telephone No.575-441-1634
Facility Name E.M.S.U.-B # 856	Facility Type Production Flow Line

Surface Owner Faye Klein	Mineral Owner BLM	Lease No. Fed. Unit # NM70948B

LOCATION OF RELEASE

API # 30-025-04224-00-00

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
K	11	20 S	36E					

Latitude_____ Longitude_____

NATURE OF RELEASE

Type of Release oil & produced water	Volume of Release 150 bbl.	Volume Recovered 65 bbl.
Source of Release fiberglass flow line	Date and Hour of Occurrence	Date and Hour of Discovery 12/16/08 2:00pm
Was Immediate Notice Given? X ☐ Yes ☐ No ☐ Not Required	If YES, To Whom? Mark Whitaker, NMOCD *Trishia BadBear, BLM*	
By Whom? Gene Hudson	Date and Hour 3:00pm 12/16/08	
Was a Watercourse Reached? ☐ Yes ☐ No X	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

WATER @ 32'

Describe Cause of Problem and Remedial Action Taken.*
leak caused by the fiberglass flow line break

Describe Area Affected and Cleanup Action Taken.*
An area approximately 200' X 85'is affected .A vacuum truck was used to remove fluids off ground. A backhoe will dig contaminated soil and haul to approved disposal site.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

Signature: Gene Hudson

Printed Name: Gene Hudson

Title: Maintenance Foreman

E-mail Address: richard_hudson@xtoenergy.com

Date: 12/17/2008 Phone:575-441-1634

OIL CONSERVATION DIVISION

ENV. ENGINEER:
Approved by ~~District Supervisor:~~ Geoffrey Leking

Approval Date: 12/30/09 Expiration Date: 03/03/10

Conditions of Approval: DELINEATE TO CLEAN +1. SUBMIT FINAL C-141 BY 03/03/10

Attached ☐
IRP- 09-12-2371

* Attach Additional Sheets If Necessary

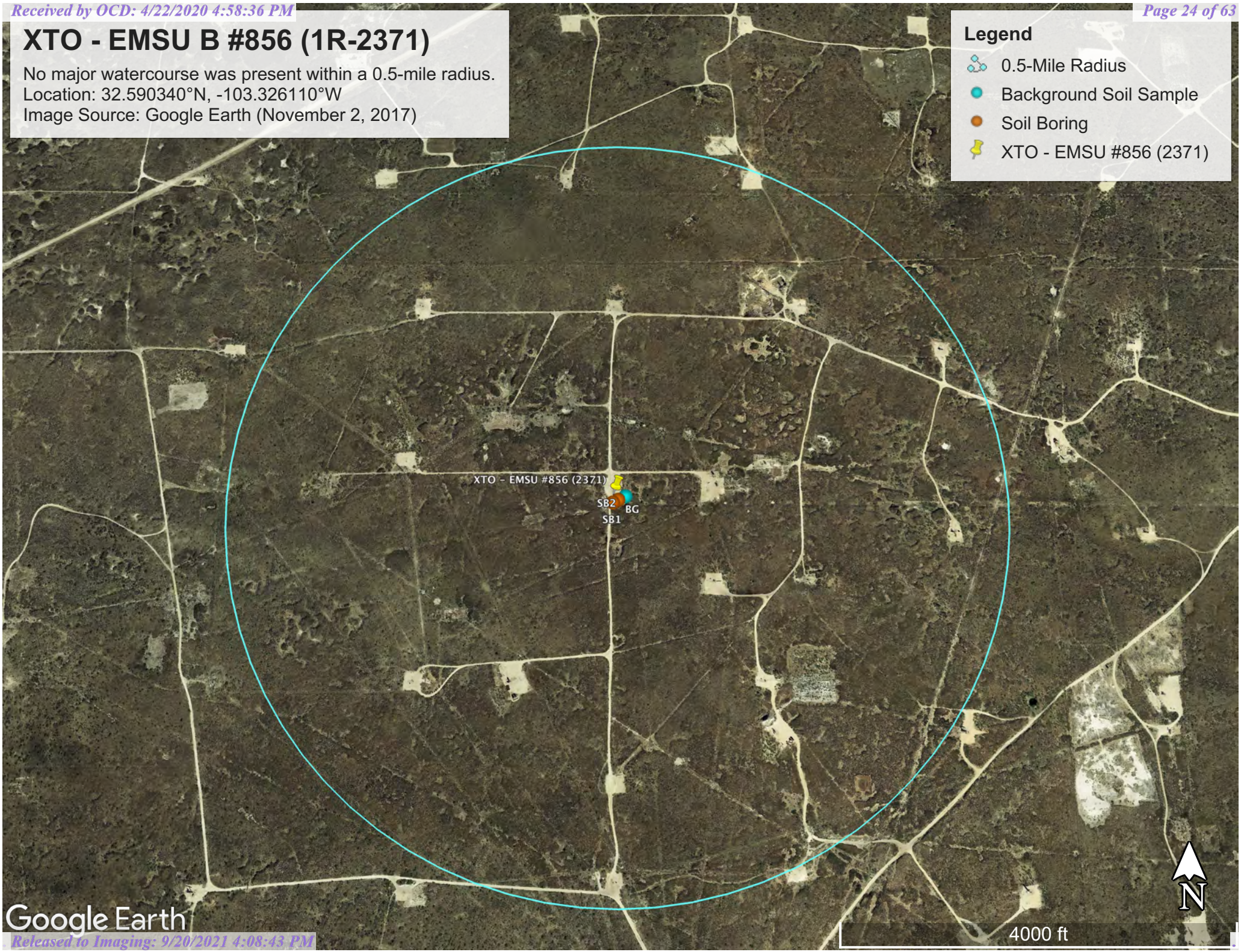
fAPR1 0936457846

Attachment B

0.5-Mile Radius Map
Demonstrating Absence of Major Watercourses

XTO - EMSU B #856 (1R-2371)

No major watercourse was present within a 0.5-mile radius.
Location: 32.590340°N, -103.326110°W
Image Source: Google Earth (November 2, 2017)



Attachment C

Release Site Plan
Depicting Sample Locations

XTO - EMSU B #856 (1R-2371)

Location: 32.590340°N, -103.326110°W
Image Date: November 2, 2017
Image Source: Google Earth

Note: SB1 could not be sampled due to safety concerns regarding the presence of above-ground flow lines and subsurface piping. Soil was clean at the background and SB2 locations.

Attachment D

Boring Log

Boring Log / Field Notes
EMSU B #856
July 15, 2019

SB-1: 0-5 Tan Sand, 5-20 Light Tan Sand w/ Caliche
SB-2: Same Lithology

Drilling Company: Harrison Cooper, Inc.
Driller: David Lagoski (Operations Manager)
Drill: Air Rotary

Attachment E

Full Analytical Results and Chain-of-Custody

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Nashville
2960 Foster Creighton Drive
Nashville, TN 37204
Tel: (615)726-0177

Laboratory Job ID: 490-176553-1
Laboratory Sample Delivery Group: XTO Energy
Client Project/Site: EMSU B #856 (1RP-2371)

For:
Sport Environmental Services LLC
502 N Big Spring St
Midland, Texas 79701

Attn: Debi Sport Moore

Jennifer Gambill

Authorized for release by:
7/15/2019 4:15:59 PM

Jennifer Gambill, Project Manager I
(615)301-5044
jennifer.gambill@testamericainc.com

Table of Contents

Sample Summary

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
490-176553-1	BG-001 @ 0-1'bgs	Solid	06/27/19 08:49	06/29/19 08:50	
490-176553-2	BG-001 @ 5 'bgs	Solid	06/27/19 08:50	06/29/19 08:50	
490-176553-3	BG-001 @ 10 'bgs	Solid	06/27/19 08:51	06/29/19 08:50	
490-176553-4	BG-001 @ 15 'bgs	Solid	06/27/19 08:52	06/29/19 08:50	
490-176553-5	BG-001 @ 20 'bgs	Solid	06/27/19 08:53	06/29/19 08:50	
490-176553-6	SB2-001 @ 0-1 'bgs	Solid	06/27/19 09:00	06/29/19 08:50	
490-176553-7	SB2-001 @ 5 'bgs	Solid	06/27/19 09:01	06/29/19 08:50	
490-176553-8	SB2-001 @ 10 'bgs	Solid	06/27/19 09:02	06/29/19 08:50	
490-176553-9	SB2-001 @ 15 'bgs	Solid	06/27/19 09:03	06/29/19 08:50	
490-176553-10	SB2-001 @ 20 'bgs	Solid	06/27/19 09:04	06/29/19 08:50	

Case Narrative

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Job ID: 490-176553-1

Laboratory: Eurofins TestAmerica, Nashville

Narrative

Job Narrative
490-176553-1

Comments
No additional comments.

Receipt
The samples were received on 6/29/2019 8:50 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.8º C.

HPLC/IC
Method(s) 300.0: The following sample was diluted due to the nature of the sample matrix: SB2-001 @ 15 'bgs (490-176553-9). Elevated reporting limits (RLs) are provided.

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

Definitions/Glossary

Client: Sport Environmental Services LLC Job ID: 490-176553-1
Project/Site: EMSU B #856 (1RP-2371) SDG: XTO Energy

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Client Sample ID: BG-001 @ 0-1'bgs

Date Collected: 06/27/19 08:49
Date Received: 06/29/19 08:50

Lab Sample ID: 490-176553-1

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000736**	**J**	0.00182	0.000609	mg/Kg		07/02/19 13:49	07/02/19 22:53	1
Ethylbenzene	ND		0.00182	0.000609	mg/Kg		07/02/19 13:49	07/02/19 22:53	1
Toluene	**0.00135**	**J**	0.00182	0.000673	mg/Kg		07/02/19 13:49	07/02/19 22:53	1
Xylenes, Total	ND		0.00545	0.00112	mg/Kg		07/02/19 13:49	07/02/19 22:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*	*07/02/19 13:49*	*07/02/19 22:53*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*07/02/19 13:49*	*07/02/19 22:53*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*07/02/19 13:49*	*07/02/19 22:53*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*07/02/19 13:49*	*07/02/19 22:53*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.42	2.21	mg/Kg		07/02/19 13:49	07/03/19 15:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*79*		*50 - 150*	*07/02/19 13:49*	*07/03/19 15:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		4.85	2.42	mg/Kg		07/09/19 16:19	07/12/19 16:07	1
MRO (C28-C35)	ND		4.85	2.42	mg/Kg		07/09/19 16:19	07/12/19 16:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*82*		*50 - 150*	*07/09/19 16:19*	*07/12/19 16:07*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		9.95	6.96	mg/Kg			07/08/19 15:21	1

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Client Sample ID: BG-001 @ 5 'bgs

Date Collected: 06/27/19 08:50
Date Received: 06/29/19 08:50

Lab Sample ID: 490-176553-2

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00194	0.000649	mg/Kg		07/02/19 13:49	07/02/19 23:22	1
Ethylbenzene	ND		0.00194	0.000649	mg/Kg		07/02/19 13:49	07/02/19 23:22	1
Toluene	ND		0.00194	0.000717	mg/Kg		07/02/19 13:49	07/02/19 23:22	1
Xylenes, Total	ND		0.00581	0.00119	mg/Kg		07/02/19 13:49	07/02/19 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*	*07/02/19 13:49*	*07/02/19 23:22*	*1*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*07/02/19 13:49*	*07/02/19 23:22*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*	*07/02/19 13:49*	*07/02/19 23:22*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*07/02/19 13:49*	*07/02/19 23:22*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.81	2.40	mg/Kg		07/02/19 13:49	07/03/19 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*77*		*50 - 150*	*07/02/19 13:49*	*07/03/19 17:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.90**	**J**	4.98	2.49	mg/Kg		07/09/19 16:19	07/12/19 17:01	1
MRO (C28-C35)	ND		4.98	2.49	mg/Kg		07/09/19 16:19	07/12/19 17:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*85*		*50 - 150*	*07/09/19 16:19*	*07/12/19 17:01*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10.1	7.08	mg/Kg			07/08/19 16:11	1

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Client Sample ID: BG-001 @ 10 'bgs

Date Collected: 06/27/19 08:51
Date Received: 06/29/19 08:50

Lab Sample ID: 490-176553-3

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000669	mg/Kg		07/02/19 13:49	07/02/19 23:51	1
Ethylbenzene	ND		0.00200	0.000669	mg/Kg		07/02/19 13:49	07/02/19 23:51	1
Toluene	ND		0.00200	0.000739	mg/Kg		07/02/19 13:49	07/02/19 23:51	1
Xylenes, Total	ND		0.00599	0.00123	mg/Kg		07/02/19 13:49	07/02/19 23:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*	*07/02/19 13:49*	*07/02/19 23:51*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/02/19 13:49*	*07/02/19 23:51*	*1*
Dibromofluoromethane (Surr)	*102*		*70 - 130*	*07/02/19 13:49*	*07/02/19 23:51*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*07/02/19 13:49*	*07/02/19 23:51*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.85	2.43	mg/Kg		07/02/19 13:49	07/03/19 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*76*		*50 - 150*	*07/02/19 13:49*	*07/03/19 17:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		4.85	2.43	mg/Kg		07/09/19 16:19	07/12/19 17:20	1
MRO (C28-C35)	ND		4.85	2.43	mg/Kg		07/09/19 16:19	07/12/19 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*86*		*50 - 150*	*07/09/19 16:19*	*07/12/19 17:20*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**35.7**		10.1	7.07	mg/Kg			07/08/19 16:28	1

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Client Sample ID: BG-001 @ 15 'bgs

Date Collected: 06/27/19 08:52
Date Received: 06/29/19 08:50

Lab Sample ID: 490-176553-4

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00188	0.000629	mg/Kg		07/02/19 13:49	07/03/19 00:19	1
Ethylbenzene	ND		0.00188	0.000629	mg/Kg		07/02/19 13:49	07/03/19 00:19	1
Toluene	ND		0.00188	0.000694	mg/Kg		07/02/19 13:49	07/03/19 00:19	1
Xylenes, Total	ND		0.00563	0.00115	mg/Kg		07/02/19 13:49	07/03/19 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*	*07/02/19 13:49*	*07/03/19 00:19*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*07/02/19 13:49*	*07/03/19 00:19*	*1*
Dibromofluoromethane (Surr)	*100*		*70 - 130*	*07/02/19 13:49*	*07/03/19 00:19*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*07/02/19 13:49*	*07/03/19 00:19*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.91	2.46	mg/Kg		07/02/19 13:49	07/03/19 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*80*		*50 - 150*	*07/02/19 13:49*	*07/03/19 18:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		4.88	2.44	mg/Kg		07/09/19 16:19	07/12/19 17:38	1
MRO (C28-C35)	ND		4.88	2.44	mg/Kg		07/09/19 16:19	07/12/19 17:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*76*		*50 - 150*	*07/09/19 16:19*	*07/12/19 17:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**150**		9.95	6.97	mg/Kg			07/08/19 16:44	1

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Client Sample ID: BG-001 @ 20 'bgs

Date Collected: 06/27/19 08:53
Date Received: 06/29/19 08:50

Lab Sample ID: 490-176553-5

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00198	0.000663	mg/Kg		07/02/19 13:49	07/03/19 00:48	1
Ethylbenzene	ND		0.00198	0.000663	mg/Kg		07/02/19 13:49	07/03/19 00:48	1
Toluene	ND		0.00198	0.000733	mg/Kg		07/02/19 13:49	07/03/19 00:48	1
Xylenes, Total	ND		0.00594	0.00122	mg/Kg		07/02/19 13:49	07/03/19 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 130*	*07/02/19 13:49*	*07/03/19 00:48*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*07/02/19 13:49*	*07/03/19 00:48*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*	*07/02/19 13:49*	*07/03/19 00:48*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*07/02/19 13:49*	*07/03/19 00:48*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.57	2.29	mg/Kg		07/02/19 13:49	07/03/19 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*81*		*50 - 150*	*07/02/19 13:49*	*07/03/19 19:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		4.93	2.46	mg/Kg		07/09/19 16:19	07/12/19 17:56	1
MRO (C28-C35)	ND		4.93	2.46	mg/Kg		07/09/19 16:19	07/12/19 17:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*83*		*50 - 150*	*07/09/19 16:19*	*07/12/19 17:56*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**89.5**		9.98	6.99	mg/Kg			07/08/19 23:55	1

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Client Sample ID: SB2-001 @ 0-1 'bgs

Date Collected: 06/27/19 09:00
Date Received: 06/29/19 08:50

Lab Sample ID: 490-176553-6

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.000806**	**J**	0.00189	0.000632	mg/Kg		07/02/19 13:49	07/03/19 01:17	1
Ethylbenzene	ND		0.00189	0.000632	mg/Kg		07/02/19 13:49	07/03/19 01:17	1
Toluene	**0.00132**	**J**	0.00189	0.000698	mg/Kg		07/02/19 13:49	07/03/19 01:17	1
Xylenes, Total	ND		0.00566	0.00116	mg/Kg		07/02/19 13:49	07/03/19 01:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*	*07/02/19 13:49*	*07/03/19 01:17*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*07/02/19 13:49*	*07/03/19 01:17*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*	*07/02/19 13:49*	*07/03/19 01:17*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*07/02/19 13:49*	*07/03/19 01:17*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.42	2.21	mg/Kg		07/02/19 13:49	07/03/19 19:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*80*		*50 - 150*	*07/02/19 13:49*	*07/03/19 19:39*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.83**	**J**	4.95	2.47	mg/Kg		07/09/19 16:19	07/12/19 18:14	1
MRO (C28-C35)	ND		4.95	2.47	mg/Kg		07/09/19 16:19	07/12/19 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*82*		*50 - 150*	*07/09/19 16:19*	*07/12/19 18:14*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10.0	7.03	mg/Kg			07/09/19 00:45	1

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Client Sample ID: SB2-001 @ 5 'bgs

Date Collected: 06/27/19 09:01
Date Received: 06/29/19 08:50

Lab Sample ID: 490-176553-7

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000669	mg/Kg		07/02/19 13:49	07/03/19 01:46	1
Ethylbenzene	ND		0.00200	0.000669	mg/Kg		07/02/19 13:49	07/03/19 01:46	1
Toluene	ND		0.00200	0.000739	mg/Kg		07/02/19 13:49	07/03/19 01:46	1
Xylenes, Total	ND		0.00599	0.00123	mg/Kg		07/02/19 13:49	07/03/19 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 130*	*07/02/19 13:49*	*07/03/19 01:46*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*07/02/19 13:49*	*07/03/19 01:46*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*	*07/02/19 13:49*	*07/03/19 01:46*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*07/02/19 13:49*	*07/03/19 01:46*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.89	2.45	mg/Kg		07/02/19 13:49	07/03/19 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*80*		*50 - 150*	*07/02/19 13:49*	*07/03/19 20:13*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		4.96	2.48	mg/Kg		07/09/19 16:19	07/12/19 18:32	1
MRO (C28-C35)	ND		4.96	2.48	mg/Kg		07/09/19 16:19	07/12/19 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*80*		*50 - 150*	*07/09/19 16:19*	*07/12/19 18:32*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		9.93	6.95	mg/Kg			07/09/19 01:02	1

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Client Sample ID: SB2-001 @ 10 'bgs

Date Collected: 06/27/19 09:02
Date Received: 06/29/19 08:50

Lab Sample ID: 490-176553-8

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00182	0.000610	mg/Kg		07/02/19 13:49	07/03/19 02:14	1
Ethylbenzene	ND		0.00182	0.000610	mg/Kg		07/02/19 13:49	07/03/19 02:14	1
Toluene	ND		0.00182	0.000674	mg/Kg		07/02/19 13:49	07/03/19 02:14	1
Xylenes, Total	ND		0.00546	0.00112	mg/Kg		07/02/19 13:49	07/03/19 02:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*	*07/02/19 13:49*	*07/03/19 02:14*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/02/19 13:49*	*07/03/19 02:14*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*	*07/02/19 13:49*	*07/03/19 02:14*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*07/02/19 13:49*	*07/03/19 02:14*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.24	2.12	mg/Kg		07/02/19 13:49	07/03/19 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*79*		*50 - 150*	*07/02/19 13:49*	*07/03/19 20:48*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		4.99	2.50	mg/Kg		07/09/19 16:19	07/12/19 18:50	1
MRO (C28-C35)	ND		4.99	2.50	mg/Kg		07/09/19 16:19	07/12/19 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*81*		*50 - 150*	*07/09/19 16:19*	*07/12/19 18:50*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**56.1**		9.93	6.95	mg/Kg			07/09/19 01:18	1

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Client Sample ID: SB2-001 @ 15 'bgs

Date Collected: 06/27/19 09:03
Date Received: 06/29/19 08:50

Lab Sample ID: 490-176553-9

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00192	0.000644	mg/Kg		07/02/19 13:49	07/03/19 02:43	1
Ethylbenzene	ND		0.00192	0.000644	mg/Kg		07/02/19 13:49	07/03/19 02:43	1
Toluene	ND		0.00192	0.000712	mg/Kg		07/02/19 13:49	07/03/19 02:43	1
Xylenes, Total	ND		0.00577	0.00118	mg/Kg		07/02/19 13:49	07/03/19 02:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*70 - 130*	*07/02/19 13:49*	*07/03/19 02:43*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/02/19 13:49*	*07/03/19 02:43*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*	*07/02/19 13:49*	*07/03/19 02:43*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*07/02/19 13:49*	*07/03/19 02:43*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.80	2.40	mg/Kg		07/02/19 13:49	07/03/19 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*73*		*50 - 150*	*07/02/19 13:49*	*07/03/19 21:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		4.95	2.48	mg/Kg		07/09/19 16:19	07/12/19 19:45	1
MRO (C28-C35)	ND		4.95	2.48	mg/Kg		07/09/19 16:19	07/12/19 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*70*		*50 - 150*	*07/09/19 16:19*	*07/12/19 19:45*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**212**		19.8	13.8	mg/Kg			07/10/19 20:50	2

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Client Sample ID: SB2-001 @ 20 'bgs

Date Collected: 06/27/19 09:04
Date Received: 06/29/19 08:50

Lab Sample ID: 490-176553-10

Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00191	0.000639	mg/Kg		07/02/19 13:49	07/02/19 22:24	1
Ethylbenzene	ND		0.00191	0.000639	mg/Kg		07/02/19 13:49	07/02/19 22:24	1
Toluene	ND		0.00191	0.000706	mg/Kg		07/02/19 13:49	07/02/19 22:24	1
Xylenes, Total	ND		0.00573	0.00117	mg/Kg		07/02/19 13:49	07/02/19 22:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 130*	*07/02/19 13:49*	*07/02/19 22:24*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*07/02/19 13:49*	*07/02/19 22:24*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*	*07/02/19 13:49*	*07/02/19 22:24*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*07/02/19 13:49*	*07/02/19 22:24*	*1*

Method: 8015B - Gasoline Range Organics - (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.78	2.39	mg/Kg		07/02/19 13:49	07/03/19 21:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*73*		*50 - 150*	*07/02/19 13:49*	*07/03/19 21:56*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		4.89	2.44	mg/Kg		07/09/19 16:19	07/12/19 20:03	1
MRO (C28-C35)	ND		4.89	2.44	mg/Kg		07/09/19 16:19	07/12/19 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl (Surr)	*66*		*50 - 150*	*07/09/19 16:19*	*07/12/19 20:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.2**		10.0	7.02	mg/Kg			07/09/19 01:51	1

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: 490-176553-10 MS
Matrix: Solid
Analysis Batch: 604848

Client Sample ID: SB2-001 @ 20 'bgs
Prep Type: Total/NA
Prep Batch: 604795

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		0.0484	0.05034		mg/Kg		104	21 - 150
Ethylbenzene	ND		0.0484	0.04892		mg/Kg		101	10 - 150
Toluene	ND		0.0484	0.05072		mg/Kg		105	17 - 150
Xylenes, Total	ND		0.0969	0.09985		mg/Kg		103	10 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*
Dibromofluoromethane (Surr)	*92*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: 490-176553-10 MSD
Matrix: Solid
Analysis Batch: 604848

Client Sample ID: SB2-001 @ 20 'bgs
Prep Type: Total/NA
Prep Batch: 604795

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		0.0498	0.05402		mg/Kg		108	21 - 150	7	50
Ethylbenzene	ND		0.0498	0.05672		mg/Kg		114	10 - 150	15	50
Toluene	ND		0.0498	0.05605		mg/Kg		113	17 - 150	10	50
Xylenes, Total	ND		0.0996	0.1114		mg/Kg		112	10 - 150	11	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Dibromofluoromethane (Surr)	*94*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 490-604848/6
Matrix: Solid
Analysis Batch: 604848

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00200	0.000670	mg/Kg			07/02/19 21:56	1
Ethylbenzene	ND		0.00200	0.000670	mg/Kg			07/02/19 21:56	1
Toluene	ND		0.00200	0.000740	mg/Kg			07/02/19 21:56	1
Xylenes, Total	ND		0.00600	0.00123	mg/Kg			07/02/19 21:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 130*		*07/02/19 21:56*	*1*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*		*07/02/19 21:56*	*1*
Dibromofluoromethane (Surr)	*101*		*70 - 130*		*07/02/19 21:56*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*07/02/19 21:56*	*1*

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 490-604848/3
Matrix: Solid
Analysis Batch: 604848

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			0.0500	0.05181		mg/Kg		104	70 - 130		
Ethylbenzene			0.0500	0.05403		mg/Kg		108	70 - 130		
Toluene			0.0500	0.05410		mg/Kg		108	70 - 130		
Xylenes, Total			0.100	0.1093		mg/Kg		109	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*70 - 130*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: LCSD 490-604848/4
Matrix: Solid
Analysis Batch: 604848

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.0500	0.05217		mg/Kg		104	70 - 130	1	37
Ethylbenzene			0.0500	0.05442		mg/Kg		109	70 - 130	1	38
Toluene			0.0500	0.05401		mg/Kg		108	70 - 130	0	40
Xylenes, Total			0.100	0.1097		mg/Kg		110	70 - 130	0	38

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*89*		*70 - 130*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
Dibromofluoromethane (Surr)	*96*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Method: 8015B - Gasoline Range Organics - (GC)

Lab Sample ID: MB 490-604792/1-A
Matrix: Solid
Analysis Batch: 604991

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 604792

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.00	2.50	mg/Kg		07/02/19 13:44	07/03/19 15:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*77*		*50 - 150*	*07/02/19 13:44*	*07/03/19 15:02*	*1*

Lab Sample ID: LCS 490-604792/2-A
Matrix: Solid
Analysis Batch: 604991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 604792

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics [C6 - C10]			500	510.6		mg/Kg		102	70 - 130		

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Method: 8015B - Gasoline Range Organics - (GC) (Continued)

Lab Sample ID: LCS 490-604792/2-A
Matrix: Solid
Analysis Batch: 604991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 604792

Surrogate	LCS %Recovery	LCS Qualifier	Limits
a,a,a-Trifluorotoluene	92		50 - 150

Lab Sample ID: LCSD 490-604792/3-A
Matrix: Solid
Analysis Batch: 604991

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 604792

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]			500	486.8		mg/Kg		97	70 - 130	5	21

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
a,a,a-Trifluorotoluene	92		50 - 150

Lab Sample ID: 490-176553-1 MS
Matrix: Solid
Analysis Batch: 604991

Client Sample ID: BG-001 @ 0-1'bgs
Prep Type: Total/NA
Prep Batch: 604792

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics [C6 - C10]	ND		442	428.8		mg/Kg		97	56 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
a,a,a-Trifluorotoluene	88		50 - 150

Lab Sample ID: 490-176553-1 MSD
Matrix: Solid
Analysis Batch: 604991

Client Sample ID: BG-001 @ 0-1'bgs
Prep Type: Total/NA
Prep Batch: 604792

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		442	428.9		mg/Kg		97	56 - 130	0	21

Surrogate	MSD %Recovery	MSD Qualifier	Limits
a,a,a-Trifluorotoluene	89		50 - 150

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

Lab Sample ID: MB 490-605765/1-A
Matrix: Solid
Analysis Batch: 606308

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 605765

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		5.00	2.50	mg/Kg		07/09/19 16:19	07/12/19 14:37	1
MRO (C28-C35)	ND		5.00	2.50	mg/Kg		07/09/19 16:19	07/12/19 14:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	91		50 - 150	07/09/19 16:19	07/12/19 14:37	1

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

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

Lab Sample ID: LCS 490-605765/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 606308 — **Prep Batch: 605765**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			40.0	36.46		mg/Kg		91	54 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl (Surr)	76		50 - 150

Lab Sample ID: LCSD 490-605765/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 606308 — **Prep Batch: 605765**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			40.0	35.06		mg/Kg		88	54 - 130	4	47

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl (Surr)	73		50 - 150

Lab Sample ID: 490-176553-1 MS — **Client Sample ID: BG-001 @ 0-1'bgs**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 606308 — **Prep Batch: 605765**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]	ND		39.1	33.98		mg/Kg		87	10 - 142		

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl (Surr)	73		50 - 150

Lab Sample ID: 490-176553-1 MSD — **Client Sample ID: BG-001 @ 0-1'bgs**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 606308 — **Prep Batch: 605765**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		39.0	40.11		mg/Kg		103	10 - 142	17	47

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl (Surr)	86		50 - 150

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 490-605255/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Soluble**
Analysis Batch: 605525

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10.1	7.07	mg/Kg			07/08/19 14:32	1

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 490-605255/2-A
Matrix: Solid
Analysis Batch: 605525

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			101	101.8		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 490-605255/3-A
Matrix: Solid
Analysis Batch: 605525

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			101	100.7		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 490-176553-1 MS
Matrix: Solid
Analysis Batch: 605525

Client Sample ID: BG-001 @ 0-1'bgs
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	ND		99.6	97.04		mg/Kg		97	80 - 120		

Lab Sample ID: 490-176553-1 MSD
Matrix: Solid
Analysis Batch: 605525

Client Sample ID: BG-001 @ 0-1'bgs
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	ND		99.6	99.04		mg/Kg		99	80 - 120	2	20

Lab Sample ID: MB 490-605256/1-A
Matrix: Solid
Analysis Batch: 605527

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10.1	7.07	mg/Kg			07/08/19 23:05	1

Lab Sample ID: LCS 490-605256/2-A
Matrix: Solid
Analysis Batch: 605527

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			101	100.3		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 490-605256/3-A
Matrix: Solid
Analysis Batch: 605527

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			101	100.0		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 490-176553-5 MS
Matrix: Solid
Analysis Batch: 605527

Client Sample ID: BG-001 @ 20 'bgs
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	89.5		101	198.1		mg/Kg		108	80 - 120		

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 490-176553-5 MSD
Matrix: Solid
Analysis Batch: 605527

Client Sample ID: BG-001 @ 20 'bgs
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	89.5		99.9	198.4		mg/Kg		109	80 - 120	0	20

QC Association Summary

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

GC/MS VOA

Prep Batch: 604795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-176553-1	BG-001 @ 0-1'bgs	Total/NA	Solid	5030B	
490-176553-2	BG-001 @ 5 'bgs	Total/NA	Solid	5030B	
490-176553-3	BG-001 @ 10 'bgs	Total/NA	Solid	5030B	
490-176553-4	BG-001 @ 15 'bgs	Total/NA	Solid	5030B	
490-176553-5	BG-001 @ 20 'bgs	Total/NA	Solid	5030B	
490-176553-6	SB2-001 @ 0-1 'bgs	Total/NA	Solid	5030B	
490-176553-7	SB2-001 @ 5 'bgs	Total/NA	Solid	5030B	
490-176553-8	SB2-001 @ 10 'bgs	Total/NA	Solid	5030B	
490-176553-9	SB2-001 @ 15 'bgs	Total/NA	Solid	5030B	
490-176553-10	SB2-001 @ 20 'bgs	Total/NA	Solid	5030B	
490-176553-10 MS	SB2-001 @ 20 'bgs	Total/NA	Solid	5030B	
490-176553-10 MSD	SB2-001 @ 20 'bgs	Total/NA	Solid	5030B	

Analysis Batch: 604848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-176553-1	BG-001 @ 0-1'bgs	Total/NA	Solid	8260B	604795
490-176553-2	BG-001 @ 5 'bgs	Total/NA	Solid	8260B	604795
490-176553-3	BG-001 @ 10 'bgs	Total/NA	Solid	8260B	604795
490-176553-4	BG-001 @ 15 'bgs	Total/NA	Solid	8260B	604795
490-176553-5	BG-001 @ 20 'bgs	Total/NA	Solid	8260B	604795
490-176553-6	SB2-001 @ 0-1 'bgs	Total/NA	Solid	8260B	604795
490-176553-7	SB2-001 @ 5 'bgs	Total/NA	Solid	8260B	604795
490-176553-8	SB2-001 @ 10 'bgs	Total/NA	Solid	8260B	604795
490-176553-9	SB2-001 @ 15 'bgs	Total/NA	Solid	8260B	604795
490-176553-10	SB2-001 @ 20 'bgs	Total/NA	Solid	8260B	604795
MB 490-604848/6	Method Blank	Total/NA	Solid	8260B	
LCS 490-604848/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-604848/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
490-176553-10 MS	SB2-001 @ 20 'bgs	Total/NA	Solid	8260B	604795
490-176553-10 MSD	SB2-001 @ 20 'bgs	Total/NA	Solid	8260B	604795

GC VOA

Prep Batch: 604792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-176553-1	BG-001 @ 0-1'bgs	Total/NA	Solid	5030B	
490-176553-2	BG-001 @ 5 'bgs	Total/NA	Solid	5030B	
490-176553-3	BG-001 @ 10 'bgs	Total/NA	Solid	5030B	
490-176553-4	BG-001 @ 15 'bgs	Total/NA	Solid	5030B	
490-176553-5	BG-001 @ 20 'bgs	Total/NA	Solid	5030B	
490-176553-6	SB2-001 @ 0-1 'bgs	Total/NA	Solid	5030B	
490-176553-7	SB2-001 @ 5 'bgs	Total/NA	Solid	5030B	
490-176553-8	SB2-001 @ 10 'bgs	Total/NA	Solid	5030B	
490-176553-9	SB2-001 @ 15 'bgs	Total/NA	Solid	5030B	
490-176553-10	SB2-001 @ 20 'bgs	Total/NA	Solid	5030B	
MB 490-604792/1-A	Method Blank	Total/NA	Solid	5030B	
LCS 490-604792/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 490-604792/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
490-176553-1 MS	BG-001 @ 0-1'bgs	Total/NA	Solid	5030B	
490-176553-1 MSD	BG-001 @ 0-1'bgs	Total/NA	Solid	5030B	

QC Association Summary

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

GC VOA

Analysis Batch: 604991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-176553-1	BG-001 @ 0-1'bgs	Total/NA	Solid	8015B	604792
490-176553-2	BG-001 @ 5 'bgs	Total/NA	Solid	8015B	604792
490-176553-3	BG-001 @ 10 'bgs	Total/NA	Solid	8015B	604792
490-176553-4	BG-001 @ 15 'bgs	Total/NA	Solid	8015B	604792
490-176553-5	BG-001 @ 20 'bgs	Total/NA	Solid	8015B	604792
490-176553-6	SB2-001 @ 0-1 'bgs	Total/NA	Solid	8015B	604792
490-176553-7	SB2-001 @ 5 'bgs	Total/NA	Solid	8015B	604792
490-176553-8	SB2-001 @ 10 'bgs	Total/NA	Solid	8015B	604792
490-176553-9	SB2-001 @ 15 'bgs	Total/NA	Solid	8015B	604792
490-176553-10	SB2-001 @ 20 'bgs	Total/NA	Solid	8015B	604792
MB 490-604792/1-A	Method Blank	Total/NA	Solid	8015B	604792
LCS 490-604792/2-A	Lab Control Sample	Total/NA	Solid	8015B	604792
LCSD 490-604792/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	604792
490-176553-1 MS	BG-001 @ 0-1'bgs	Total/NA	Solid	8015B	604792
490-176553-1 MSD	BG-001 @ 0-1'bgs	Total/NA	Solid	8015B	604792

GC Semi VOA

Prep Batch: 605765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-176553-1	BG-001 @ 0-1'bgs	Total/NA	Solid	3550C	
490-176553-2	BG-001 @ 5 'bgs	Total/NA	Solid	3550C	
490-176553-3	BG-001 @ 10 'bgs	Total/NA	Solid	3550C	
490-176553-4	BG-001 @ 15 'bgs	Total/NA	Solid	3550C	
490-176553-5	BG-001 @ 20 'bgs	Total/NA	Solid	3550C	
490-176553-6	SB2-001 @ 0-1 'bgs	Total/NA	Solid	3550C	
490-176553-7	SB2-001 @ 5 'bgs	Total/NA	Solid	3550C	
490-176553-8	SB2-001 @ 10 'bgs	Total/NA	Solid	3550C	
490-176553-9	SB2-001 @ 15 'bgs	Total/NA	Solid	3550C	
490-176553-10	SB2-001 @ 20 'bgs	Total/NA	Solid	3550C	
MB 490-605765/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 490-605765/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 490-605765/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
490-176553-1 MS	BG-001 @ 0-1'bgs	Total/NA	Solid	3550C	
490-176553-1 MSD	BG-001 @ 0-1'bgs	Total/NA	Solid	3550C	

Analysis Batch: 606308

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-176553-1	BG-001 @ 0-1'bgs	Total/NA	Solid	8015B	605765
490-176553-2	BG-001 @ 5 'bgs	Total/NA	Solid	8015B	605765
490-176553-3	BG-001 @ 10 'bgs	Total/NA	Solid	8015B	605765
490-176553-4	BG-001 @ 15 'bgs	Total/NA	Solid	8015B	605765
490-176553-5	BG-001 @ 20 'bgs	Total/NA	Solid	8015B	605765
490-176553-6	SB2-001 @ 0-1 'bgs	Total/NA	Solid	8015B	605765
490-176553-7	SB2-001 @ 5 'bgs	Total/NA	Solid	8015B	605765
490-176553-8	SB2-001 @ 10 'bgs	Total/NA	Solid	8015B	605765
490-176553-9	SB2-001 @ 15 'bgs	Total/NA	Solid	8015B	605765
490-176553-10	SB2-001 @ 20 'bgs	Total/NA	Solid	8015B	605765
MB 490-605765/1-A	Method Blank	Total/NA	Solid	8015B	605765
LCS 490-605765/2-A	Lab Control Sample	Total/NA	Solid	8015B	605765
LCSD 490-605765/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	605765

QC Association Summary

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

GC Semi VOA (Continued)

Analysis Batch: 606308 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-176553-1 MS	BG-001 @ 0-1'bgs	Total/NA	Solid	8015B	605765
490-176553-1 MSD	BG-001 @ 0-1'bgs	Total/NA	Solid	8015B	605765

HPLC/IC

Leach Batch: 605255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-176553-1	BG-001 @ 0-1'bgs	Soluble	Solid	DI Leach	
490-176553-2	BG-001 @ 5 'bgs	Soluble	Solid	DI Leach	
490-176553-3	BG-001 @ 10 'bgs	Soluble	Solid	DI Leach	
490-176553-4	BG-001 @ 15 'bgs	Soluble	Solid	DI Leach	
MB 490-605255/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 490-605255/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 490-605255/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
490-176553-1 MS	BG-001 @ 0-1'bgs	Soluble	Solid	DI Leach	
490-176553-1 MSD	BG-001 @ 0-1'bgs	Soluble	Solid	DI Leach	

Leach Batch: 605256

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-176553-5	BG-001 @ 20 'bgs	Soluble	Solid	DI Leach	
490-176553-6	SB2-001 @ 0-1 'bgs	Soluble	Solid	DI Leach	
490-176553-7	SB2-001 @ 5 'bgs	Soluble	Solid	DI Leach	
490-176553-8	SB2-001 @ 10 'bgs	Soluble	Solid	DI Leach	
490-176553-9	SB2-001 @ 15 'bgs	Soluble	Solid	DI Leach	
490-176553-10	SB2-001 @ 20 'bgs	Soluble	Solid	DI Leach	
MB 490-605256/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 490-605256/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 490-605256/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
490-176553-5 MS	BG-001 @ 20 'bgs	Soluble	Solid	DI Leach	
490-176553-5 MSD	BG-001 @ 20 'bgs	Soluble	Solid	DI Leach	

Analysis Batch: 605525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-176553-1	BG-001 @ 0-1'bgs	Soluble	Solid	300.0	605255
490-176553-2	BG-001 @ 5 'bgs	Soluble	Solid	300.0	605255
490-176553-3	BG-001 @ 10 'bgs	Soluble	Solid	300.0	605255
490-176553-4	BG-001 @ 15 'bgs	Soluble	Solid	300.0	605255
MB 490-605255/1-A	Method Blank	Soluble	Solid	300.0	605255
LCS 490-605255/2-A	Lab Control Sample	Soluble	Solid	300.0	605255
LCSD 490-605255/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	605255
490-176553-1 MS	BG-001 @ 0-1'bgs	Soluble	Solid	300.0	605255
490-176553-1 MSD	BG-001 @ 0-1'bgs	Soluble	Solid	300.0	605255

Analysis Batch: 605527

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-176553-5	BG-001 @ 20 'bgs	Soluble	Solid	300.0	605256
490-176553-6	SB2-001 @ 0-1 'bgs	Soluble	Solid	300.0	605256
490-176553-7	SB2-001 @ 5 'bgs	Soluble	Solid	300.0	605256
490-176553-8	SB2-001 @ 10 'bgs	Soluble	Solid	300.0	605256
490-176553-10	SB2-001 @ 20 'bgs	Soluble	Solid	300.0	605256
MB 490-605256/1-A	Method Blank	Soluble	Solid	300.0	605256

QC Association Summary

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

HPLC/IC (Continued)

Analysis Batch: 605527 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-605256/2-A	Lab Control Sample	Soluble	Solid	300.0	605256
LCSD 490-605256/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	605256
490-176553-5 MS	BG-001 @ 20 'bgs	Soluble	Solid	300.0	605256
490-176553-5 MSD	BG-001 @ 20 'bgs	Soluble	Solid	300.0	605256

Analysis Batch: 605885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-176553-9	SB2-001 @ 15 'bgs	Soluble	Solid	300.0	605256

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Client Sample ID: BG-001 @ 0-1'bgs

Lab Sample ID: 490-176553-1

Date Collected: 06/27/19 08:49
Matrix: Solid
Date Received: 06/29/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.50 g	5.0 mL	604795	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	604848	07/02/19 22:53	P1B	TAL NSH
Total/NA	Prep	5030B			5.65 g	5.0 mL	604792	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	604991	07/03/19 15:39	S1S	TAL NSH
Total/NA	Prep	3550C			25.79 g	1.00 mL	605765	07/09/19 16:19	LOJ	TAL NSH
Total/NA	Analysis	8015B		1			606308	07/12/19 16:07	GMH	TAL NSH
Soluble	Leach	DI Leach			3.0162 g	30 mL	605255	07/05/19 13:58	SOO	TAL NSH
Soluble	Analysis	300.0		1			605525	07/08/19 15:21	SOO	TAL NSH

Client Sample ID: BG-001 @ 5 'bgs

Lab Sample ID: 490-176553-2

Date Collected: 06/27/19 08:50
Matrix: Solid
Date Received: 06/29/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.16 g	5.0 mL	604795	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	604848	07/02/19 23:22	P1B	TAL NSH
Total/NA	Prep	5030B			5.20 g	5.0 mL	604792	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	604991	07/03/19 17:22	S1S	TAL NSH
Total/NA	Prep	3550C			25.12 g	1.00 mL	605765	07/09/19 16:19	LOJ	TAL NSH
Total/NA	Analysis	8015B		1			606308	07/12/19 17:01	GMH	TAL NSH
Soluble	Leach	DI Leach			2.9678 g	30 mL	605255	07/05/19 13:58	SOO	TAL NSH
Soluble	Analysis	300.0		1			605525	07/08/19 16:11	SOO	TAL NSH

Client Sample ID: BG-001 @ 10 'bgs

Lab Sample ID: 490-176553-3

Date Collected: 06/27/19 08:51
Matrix: Solid
Date Received: 06/29/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5.0 mL	604795	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	604848	07/02/19 23:51	P1B	TAL NSH
Total/NA	Prep	5030B			5.15 g	5.0 mL	604792	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	604991	07/03/19 17:56	S1S	TAL NSH
Total/NA	Prep	3550C			25.77 g	1.00 mL	605765	07/09/19 16:19	LOJ	TAL NSH
Total/NA	Analysis	8015B		1			606308	07/12/19 17:20	GMH	TAL NSH
Soluble	Leach	DI Leach			2.9682 g	30 mL	605255	07/05/19 13:58	SOO	TAL NSH
Soluble	Analysis	300.0		1			605525	07/08/19 16:28	SOO	TAL NSH

Client Sample ID: BG-001 @ 15 'bgs

Lab Sample ID: 490-176553-4

Date Collected: 06/27/19 08:52
Matrix: Solid
Date Received: 06/29/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.33 g	5.0 mL	604795	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	604848	07/03/19 00:19	P1B	TAL NSH

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Client Sample ID: BG-001 @ 15 'bgs

Lab Sample ID: 490-176553-4
Matrix: Solid
Date Collected: 06/27/19 08:52
Date Received: 06/29/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.09 g	5.0 mL	604792	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	604991	07/03/19 18:30	S1S	TAL NSH
Total/NA	Prep	3550C			25.64 g	1.00 mL	605765	07/09/19 16:19	LOJ	TAL NSH
Total/NA	Analysis	8015B		1			606308	07/12/19 17:38	GMH	TAL NSH
Soluble	Leach	DI Leach			3.0138 g	30 mL	605255	07/05/19 13:58	SOO	TAL NSH
Soluble	Analysis	300.0		1			605525	07/08/19 16:44	SOO	TAL NSH

Client Sample ID: BG-001 @ 20 'bgs

Lab Sample ID: 490-176553-5
Matrix: Solid
Date Collected: 06/27/19 08:53
Date Received: 06/29/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.05 g	5.0 mL	604795	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	604848	07/03/19 00:48	P1B	TAL NSH
Total/NA	Prep	5030B			5.47 g	5.0 mL	604792	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	604991	07/03/19 19:05	S1S	TAL NSH
Total/NA	Prep	3550C			25.36 g	1.00 mL	605765	07/09/19 16:19	LOJ	TAL NSH
Total/NA	Analysis	8015B		1			606308	07/12/19 17:56	GMH	TAL NSH
Soluble	Leach	DI Leach			3.0062 g	30 mL	605256	07/05/19 14:02	SOO	TAL NSH
Soluble	Analysis	300.0		1			605527	07/08/19 23:55	SOO	TAL NSH

Client Sample ID: SB2-001 @ 0-1 'bgs

Lab Sample ID: 490-176553-6
Matrix: Solid
Date Collected: 06/27/19 09:00
Date Received: 06/29/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.30 g	5.0 mL	604795	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	604848	07/03/19 01:17	P1B	TAL NSH
Total/NA	Prep	5030B			5.66 g	5.0 mL	604792	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	604991	07/03/19 19:39	S1S	TAL NSH
Total/NA	Prep	3550C			25.26 g	1.00 mL	605765	07/09/19 16:19	LOJ	TAL NSH
Total/NA	Analysis	8015B		1			606308	07/12/19 18:14	GMH	TAL NSH
Soluble	Leach	DI Leach			2.9890 g	30 mL	605256	07/05/19 14:02	SOO	TAL NSH
Soluble	Analysis	300.0		1			605527	07/09/19 00:45	SOO	TAL NSH

Client Sample ID: SB2-001 @ 5 'bgs

Lab Sample ID: 490-176553-7
Matrix: Solid
Date Collected: 06/27/19 09:01
Date Received: 06/29/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.01 g	5.0 mL	604795	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	604848	07/03/19 01:46	P1B	TAL NSH
Total/NA	Prep	5030B			5.11 g	5.0 mL	604792	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	604991	07/03/19 20:13	S1S	TAL NSH

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Client Sample ID: SB2-001 @ 5 'bgs

Lab Sample ID: 490-176553-7
Matrix: Solid
Date Collected: 06/27/19 09:01
Date Received: 06/29/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			25.20 g	1.00 mL	605765	07/09/19 16:19	LOJ	TAL NSH
Total/NA	Analysis	8015B		1			606308	07/12/19 18:32	GMH	TAL NSH
Soluble	Leach	DI Leach			3.0223 g	30 mL	605256	07/05/19 14:02	SOO	TAL NSH
Soluble	Analysis	300.0		1			605527	07/09/19 01:02	SOO	TAL NSH

Client Sample ID: SB2-001 @ 10 'bgs

Lab Sample ID: 490-176553-8
Matrix: Solid
Date Collected: 06/27/19 09:02
Date Received: 06/29/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.49 g	5.0 mL	604795	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	604848	07/03/19 02:14	P1B	TAL NSH
Total/NA	Prep	5030B			5.89 g	5.0 mL	604792	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	604991	07/03/19 20:48	S1S	TAL NSH
Total/NA	Prep	3550C			25.05 g	1.00 mL	605765	07/09/19 16:19	LOJ	TAL NSH
Total/NA	Analysis	8015B		1			606308	07/12/19 18:50	GMH	TAL NSH
Soluble	Leach	DI Leach			3.0211 g	30 mL	605256	07/05/19 14:02	SOO	TAL NSH
Soluble	Analysis	300.0		1			605527	07/09/19 01:18	SOO	TAL NSH

Client Sample ID: SB2-001 @ 15 'bgs

Lab Sample ID: 490-176553-9
Matrix: Solid
Date Collected: 06/27/19 09:03
Date Received: 06/29/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.20 g	5.0 mL	604795	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	604848	07/03/19 02:43	P1B	TAL NSH
Total/NA	Prep	5030B			5.21 g	5.0 mL	604792	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	604991	07/03/19 21:22	S1S	TAL NSH
Total/NA	Prep	3550C			25.24 g	1.00 mL	605765	07/09/19 16:19	LOJ	TAL NSH
Total/NA	Analysis	8015B		1			606308	07/12/19 19:45	GMH	TAL NSH
Soluble	Leach	DI Leach			3.0364 g	30 mL	605256	07/05/19 14:02	SOO	TAL NSH
Soluble	Analysis	300.0		2			605885	07/10/19 20:50	JHS	TAL NSH

Client Sample ID: SB2-001 @ 20 'bgs

Lab Sample ID: 490-176553-10
Matrix: Solid
Date Collected: 06/27/19 09:04
Date Received: 06/29/19 08:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.24 g	5.0 mL	604795	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	604848	07/02/19 22:24	P1B	TAL NSH
Total/NA	Prep	5030B			5.23 g	5.0 mL	604792	07/02/19 13:49	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	604991	07/03/19 21:56	S1S	TAL NSH
Total/NA	Prep	3550C			25.58 g	1.00 mL	605765	07/09/19 16:19	LOJ	TAL NSH
Total/NA	Analysis	8015B		1			606308	07/12/19 20:03	GMH	TAL NSH

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Client Sample ID: SB2-001 @ 20 'bgs
Date Collected: 06/27/19 09:04
Date Received: 06/29/19 08:50

Lab Sample ID: 490-176553-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			2.9916 g	30 mL	605256	07/05/19 14:02	SOO	TAL NSH
Soluble	Analysis	300.0		1			605527	07/09/19 01:51	SOO	TAL NSH

Laboratory References:

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Method Summary

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL NSH
8015B	Gasoline Range Organics - (GC)	SW846	TAL NSH
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL NSH
300.0	Anions, Ion Chromatography	MCAWW	TAL NSH
3550C	Ultrasonic Extraction	SW846	TAL NSH
5030B	Purge and Trap	SW846	TAL NSH
DI Leach	Deionized Water Leaching Procedure	ASTM	TAL NSH

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:

TAL NSH = Eurofins TestAmerica, Nashville, 2960 Foster Creighton Drive, Nashville, TN 37204, TEL (615)726-0177

Accreditation/Certification Summary

Client: Sport Environmental Services LLC
Project/Site: EMSU B #856 (1RP-2371)

Job ID: 490-176553-1
SDG: XTO Energy

Laboratory: Eurofins TestAmerica, Nashville

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
A2LA	ISO/IEC 17025		0453.07	12-31-19
A2LA	ISO/IEC 17025		0453.07	12-31-19
Alaska (UST)	State Program	10	UST-087	09-30-19
Arizona	State Program	9	AZ0473	05-05-20
Arkansas DEQ	State Program	6	88-0737	04-25-20
California	State Program	9	2938	06-30-19 *
Connecticut	State Program	1	PH-0220	12-31-19
Florida	NELAP	4	E87358	06-30-20
Georgia	State Program	4	E87358(FL)/453.07(A2LA)	06-30-20
Illinois	NELAP	5	200010	12-09-19
Iowa	State Program	7	131	04-01-20
Kansas	NELAP	7	E-10229	10-31-19
Kentucky (UST)	State Program	4	19	06-30-20
Kentucky (WW)	State Program	4	90038	12-31-19
Louisiana	NELAP	6	30613	06-30-20
Maine	State Program	1	TN00032	11-03-19
Maryland	State Program	3	316	03-31-20
Massachusetts	State Program	1	M-TN032	06-30-20
Minnesota	NELAP	5	047-999-345	12-31-19
Mississippi	State Program	4	N/A	06-30-19 *
Nevada	State Program	9	TN00032	07-31-19 *
New Hampshire	NELAP	1	2963	10-09-19
New Jersey	NELAP	2	TN965	06-30-20
New York	NELAP	2	11342	03-31-20
North Carolina (WW/SW)	State Program	4	387	12-31-19
North Dakota	State Program	8	R-146	06-30-19 *
Oklahoma	State Program	6	9412	08-31-19 *
Oregon	NELAP	10	TN200001	04-26-20
Pennsylvania	NELAP	3	68-00585	07-31-19 *
Rhode Island	State Program	1	LAO00268	12-30-19
South Carolina	State Program	4	84009 (001)	02-28-19 *
Tennessee	State Program	4	2008	02-23-20
Texas	NELAP	6	T104704077	08-31-19
USDA	Federal		P330-13-00306	04-10-20
Utah	NELAP	8	TN00032	07-31-19
Virginia	NELAP	3	460152	06-14-20
Washington	State Program	10	C789	07-19-19 *
West Virginia DEP	State Program	3	219	02-28-20
Wisconsin	State Program	5	998020430	08-31-19 *
Wyoming (UST)	A2LA	8	453.07	12-31-19

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

490-176553 Chain of Custody

Cooler Received/Opened On 06-29-2019 @ 08:50

Time Samples Removed From Cooler _____ Time Samples Placed In Storage _____ (2 Hour Window)

1. Tracking # 4899 (last 4 digits, FedEx) Courier: FedEx

IR Gun ID 14740456 pH Strip Lot N/A Chlorine Strip Lot N/A

2. Temperature of rep. sample or temp blank when opened: 2.8 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA

If yes, how many and where: 1 (front)

5. Were the seals intact, signed, and dated correctly? YES NO NA

6. Were custody papers inside cooler? YES NO NA

I certify that I opened the cooler and answered questions 1-6 (intial) KD

7. Were custody seals on containers: YES NO and Intact YES NO NA

Were these signed and dated correctly? YES NO NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO NA

12. Did all container labels and tags agree with custody papers? YES NO NA

13a. Were VOA vials received? YES NO NA

b. Was there any observable headspace present in any VOA vial? YES NO NA

● ⬅ Larger than this.

14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (intial) KD

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES NO NA

16. Was residual chlorine present? YES NO NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) KD

17. Were custody papers properly filled out (ink, signed, etc)? YES NO NA

18. Did you sign the custody papers in the appropriate place? YES NO NA

19. Were correct containers used for the analysis requested? YES NO NA

20. Was sufficient amount of sample sent in each container? YES NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) KD

I certify that I attached a label with the unique LIMS number to each container (intial) KD

21. Were there Non-Conformance issues at login? YES NO Was a NCM generated? YES NO #_____

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 8/23/17

TestAmerica Nashville
2960 Foster Creighton Drive
Nashville, TN 37204-3719
phone 615.726.0177 fax 615.726.3404

Midland #264

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Debi Moore	Site Contact: Debi Moore	Date: ~~04/23/2019~~ 06/28/2019	COC No:
Sport Environmental Services, LLC	Tel/Fax: (432) 683-1100	Lab Contact: Jennifer Gambill	Carrier:	____ of ____ COCs
502 N. Big Spring Street	**Analysis Turnaround Time**			Sampler: Clint Elliott
Midland, TX 79701	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
(432) 683-1100 Phone	TAT if different from Below ____			Walk-in Client:
(888) 500-0622 FAX	☐ 2 weeks			Lab Sampling:
Project Name: XTO Energy	☑ 1 week			Job / SDG No.:
Site: EMSU B #856 (1RP-2371)	☐ 2 days			
P O # Purchase Order Not Required	☐ 1 day			

Loc: 490
176553

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	300_ORGFM_28D, 8015B_DRO, 8015B_GRO, 8260B	Chloride 300	Sample Specific Notes:
BG-001 @ 0-1'bgs	6/27/2019	0849	G	S	1			x	x	
BG-001 @ 5 'bgs	6/27/2019	0850	G	S	1			x	x	
BG-001 @10 'bgs	6/27/2019	0851	G	S	1			x	x	
BG-001 @15 'bgs	6/27/2019	0852	G	S	1			x	x	
BG-001 @20 'bgs	6/27/2019	0853	G	S	1			x	x	
SB2-001 @ 0-1'bgs	6/27/2019	0900	G	S	1			x	x	
SB2-001 @ 5 'bgs	6/27/2019	0901	G	S	1			x	x	
SB2-001 @10 'bgs	6/27/2019	0902	G	S	1			x	x	
SB2-001 @15 'bgs	6/27/2019	0903	G	S	1			x	x	
SB2-001 @20 'bgs	6/27/2019	0904	G	S	1			x	x	

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other ____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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 & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: 2.8 Corr'd: ____		Therm ID No.: ____
Relinquished by:	Company: Sport Env	Date/Time: 6-28 1025	Received by:	Company: SES	Date/Time: 6-28 1025
Relinquished by:	Company: SES	Date/Time: 6-28	Received by:	Company:	Date/Time: 6-28-19 1131
Relinquished by:	Company:	Date/Time: 6-28-19	Received in Laboratory by:	Company: TANKS	Date/Time: 06-29-2019 08:50

Form No. CA-C-WI-002, Rev. 4.18, dated 9/5/2018

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

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

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 5079
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	9/20/2021