

MAY 12, 2020



RELEASE CLOSURE REPORT
XTO ENERGY, INC. – EMSU B #652 (API#: 30-025-34140)

1RP-3160

Prepared for: XTO Energy, Inc.

Prepared by: Sport Environmental Services, LLC

502 N. Big Spring St.

Midland, TX 79701

www.sportenv.com



XTO Energy, Inc. – EMSU #652 (1RP-3160)

May 12, 2020

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) #652
RP #: 1RP-3160
Approximate Geographic Coordinates: 32.500800°N, -103.283600°W
Unit Letter O, Section 5, Township 21S, 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 #652 (*EMSU B #652* or *subject site*) where, based on a review of NMOCD records, a backhoe hit a flow line causing the release of approximately 31 barrels of produced fluids (mixture of crude oil and produced water). Of the 31 BBLs of produced fluids released approximately 30 BBLs were recovered. The rapid recovery limited impacts to the subject site and further remedial efforts were reportedly undertaken by Environmental Professionals, Inc. (EPI), an environmental consulting firm which is no longer in business, shortly after the release occurred. The Initial C-141 Form associated with this release indicates that the release occurred on March 31, 2014 and that it was discovered at approximately 10:30 a.m. Since several years have elapsed since EPI would have submitted documentation to NMOCD regarding the soil sampling and cleanup work performed, XTO requested that Sport Environmental review the data associated with this subject site and follow-up on EPI's remedial efforts to request closure of this release.

This request for closure is based on a review of the NMOCD's Environmental and Administrative Records Database, historical and contemporary aerial imagery, as well as soil sampling data, all of which have indicated that the release was addressed in the past. It appears that paperwork that would normally have been generated by EPI may have been misplaced over the years that have elapsed since remedial efforts took place or otherwise not been filed or logged in the relevant systems. Given that aerial imagery shows excavation activity at the release location and confirmation soil sampling showed results below the appropriate closure thresholds, it would appear that remedial activities were successful.

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A final Form C-141 has been prepared so that this release may be formally closed and it is available in **Attachment A**.

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. A similar query was performed using the NMOSE Water Rights Reporting System, and it revealed five (5) wells drilled between 1985 and 1987 located within 1.0-mile of the subject site with a depth to water ranging between 1,000 and 1,218 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 1,000 feet below ground surface ('bgs). Therefore, the appropriate remediation standard specified in the NMOCD Table 1 (NMAC 19.15.29.11) will be applied.

USGS
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National Water Information System: Web Interface
USGS Water Resources

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Site Name: State:

Latitude: Longitude:

lat_long_bounding_box =

	Position	Latitude	Longitude
Corner 1		-32°-00'00.508742"	-103°-00'00.292006"
Corner 2		-103°-00'00.283516"	-103°-00'00.274834"


Coordinates are entered as Degrees Minutes Seconds (DMS). DMS values are converted to Decimal degrees using NAD83 as the datum. Make your bounding box bigger if you are using NAD27 Datum for your DMS values.

Minimum number of levels 1

Use the "Back" button on your browser to change your search criteria.

Related To Previous Page

Figure 1. USGS National Water Information System – No results within 0.5-miles of subject site



New Mexico Office of the State Engineer

Point of Diversion Summary

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

Well Tag	POD Number	Q64 Q16 Q4 Sec Tws Rng	X	Y
CP 00670 POD1		1 4 4 05 21S 36E	661383	3597536*

Driller License:		Driller Company:	
Driller Name: CHEVRON U.S.A. INC. CRO			
Drill Start Date: 09/15/1985	Drill Finish Date: 10/04/1985	Plug Date:	
Log File Date: 02/19/1986	PCW Rcv Date: 08/21/1987	Source: Shallow	
Pump Type:	Pipe Discharge Size:	Estimated Yield: 318 GPM	
Casing Size: 8.63	Depth Well: 5000 feet	Depth Water: 1128 feet	

Water Bearing Stratifications:	Top	Bottom	Description
	4252	4876	Other/Unknown

Casing Perforations:	Top	Bottom
	4252	4876

Meter Number: 10253	Meter Make: HALLIBURTON
Meter Serial Number: 4SBF1726	Meter Multiplier: 1.0000
Number of Dials: 9	Meter Type: Diversion
Unit of Measure: Barrels 42 gal.	Return Flow Percent:
Usage Multiplier:	Reading Frequency: Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount
12/31/2005	2005	22832947	A	RPT		0
03/31/2006	2006	22832947	A	RPT		0
06/30/2006	2006	22832947	A	RPT		0
10/30/2006	2006	22832947	A	RPT		0
12/31/2006	2006	22832947	A	RPT		0

**YTD Meter Amounts:	Year	Amount
	2005	0
	2006	0

*UTM location was derived from PLSS - see Help

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

11/7/18 2:57 PM
Page 1 of 1
POD SUMMARY - CP 00670 POD1

Figure 2. NMOSE Query Results (Groundwater at approximately 1,000' bgs)—this well was within 0.15-mile of the subject site

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Given a groundwater depth of approximately 1,000' 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 greater than 100 feet	
<i>Constituent</i>	<i>Limit (mg/Kg)</i>
Chloride	20,000
TPH (Total Petroleum Hydrocarbons) (GRO+DRO+MRO)	2,500
TPH (Total Petroleum Hydrocarbons) (GRO+DRO)	1,000
BTEX (Benzene, Toluene, Ethylbenzene, and Xylenes)	50
Benzene	10

Remedial activities appear to have taken place at this location and Sport Environmental has performed confirmation soil sampling of this subject site that demonstrates that concentrations of all the constituents listed in the table above are below their respective limits. In addition, the concentrations of all the listed constituents were so low as to also be under the most stringent Site Closure Criteria thresholds for sites where groundwater is less than 50 feet below ground surface. This provides additional assurance that remedial efforts at the subject have been successful and will be protective of human health and the environment.

Soil Sampling Protocol and Scope

On March 11, 2019, discrete depth samples were collected utilizing a stainless-steel hand auger. The location where the release is believed to have occurred had been excavated making it possible to obtain samples without the use of heavy equipment. Soil samples were collected at the surface (0-1' bgs), 2' bgs, 4' bgs, and 8' bgs or the deepest point of auger refusal (whichever came first). Since the excavation near the steel flow line had not yet been filled, it was possible to sample the sidewalls and excavation floor. The soil at the subject site was homogeneous and did not show visual or olfactory evidence of impact. For this reason, soil lithology data (*i.e.*, boring logs) data was generated only for the soil borehole location where the greatest depth (*i.e.*, 8' bgs at Excavation Wall North) was prepared for inclusion in this report to show conditions at the site (please see **Attachment C**). In addition, a site plan showing the locations of all soil samples is available in **Attachment D**. Horizontal delineation points to ensure that any past impact had been resolved also demonstrated that the subject site was clean.

All 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 confirmed 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 on the following page and full analytical results, inclusive of the chain-of-custody, are provided in **Attachment E**. Based on the results associated with this confirmation sampling no further excavation work is required at the subject site.

Table 2. Soil Sampling Results (March 11, 2019 Confirmation Sampling)

Analyte	BTEX				Total Petroleum Hydrocarbons (TPH)			Chloride
	Benzene	Toluene	Ethylbenzene	Xylenes, Total	GRO [C6 - C10]	MRO [C28-C35]	DRO [C10-C28]	Chloride
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Closure Criteria for Soils Impacted by a Release where the Depth to Groundwater is Greater than 100 Feet	10	Total BTEX Limit is 50 mg/Kg			Total TPH Limit is 100 mg/Kg			600
490-170022-1 BG @ 0-1' bgs 3/11/2019 9:49 AM	ND	ND	ND	ND	ND	5.43	ND	ND
490-170022-2 BG @ 2' bgs 3/11/2019 9:51 AM	ND	ND	ND	ND	ND	13.2	ND	ND
490-170022-3 BG @ 4' bgs 3/11/2019 9:56 AM	ND	ND	ND	ND	ND	ND	ND	ND
490-170022-4 BG @ 8' bgs 3/11/2019 10:40 AM	ND	ND	ND	ND	ND	ND	ND	ND
490-170022-5 EX - Wall - North @ 4' bgs 3/11/2019 10:23 AM	ND	0.0008	ND	ND	2.37	ND	3.04	43.9
490-170022-6 EX - Wall - North @ 2' bgs 3/11/2019 10:25 AM	ND	ND	ND	ND	ND	ND	3.3	ND
490-170022-7 EX - Wall - North @ 0-1' bgs 3/11/2019 10:27 AM	ND	ND	ND	ND	ND	2.99	3.28	ND
490-170022-8 EX - Wall - East @ 4' bgs 3/11/2019 10:32 AM	ND	0.00462	0.00263	0.0127	ND	2.82	3.08	105
490-170022-9 EX - Wall - East @ 2' bgs 3/11/2019 10:34 AM	1E-03	0.0125	0.00508	0.0228	ND	2.7	2.86	13.4
490-170022-10 EX - Wall - East @ 0-1' bgs 3/11/2019 10:35 AM	ND	0.00269	0.00136	0.00702	ND	2.88	ND	ND
490-170022-11 EX - Wall - South @ 4' bgs 3/11/2019 10:45 AM	ND	ND	ND	ND	ND	3.13	3.73	8.66
490-170022-12 EX - Wall - South @ 2' bgs 3/11/2019 10:47 AM	ND	0.0012	0.00069	0.00337	ND	2.55	ND	ND
490-170022-13 EX - Wall - South @ 0-1' bgs 3/11/2019 10:48 AM	ND	0.00224	0.00135	0.00724	ND	ND	ND	ND
490-170022-14 EX - Wall - West @ 4' bgs 3/11/2019 10:55 AM	ND	0.00567	0.00325	0.0164	ND	2.55	ND	ND
490-170022-15 EX - Wall - West @ 2' bgs 3/11/2019 10:58 AM	ND	0.0017	0.0008	0.00419	ND	3.56	ND	ND
490-170022-16 EX - Wall - West @ 0-1' bgs 3/11/2019 10:59 AM	ND	0.00349	0.00195	0.0102	ND	2.63	ND	ND
490-170022-17 EX - Floor @ 4' bgs 3/11/2019 11:05 AM	ND	ND	ND	ND	ND	10.4	4.09	39.5
490-170022-18 EX - Floor @ 8' bgs 3/11/2019 11:13 AM	ND	ND	ND	0.00119	ND	2.82	ND	ND

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	BTEX				Total Petroleum Hydrocarbons (TPH)			Chloride
Analyte	Benzene	Toluene	Ethylbenzene	Xylenes, Total	GRO [C6 - C10]	MRO (C28-C35)	DRO [C10-C28]	Chloride
Units	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Closure Criteria for Soils Impacted by a Release where the Depth to Groundwater is Greater than 100 Feet	10	Total BTEX Limit is 50 mg/Kg			Total TPH Limit is 100 mg/Kg			600
490-170022-19 HDP - North @ 0-1' bgs 3/11/2019 11:17 AM	ND	ND	ND	0.00124	ND	5.53	ND	ND
490-170022-20 HDP - North @ 2' bgs 3/11/2019 11:19 AM	ND	ND	ND	ND	ND	7.36	ND	ND
490-170022-21 HDP - North @ 4' bgs 3/11/2019 11:27 AM	ND	ND	ND	ND	ND	3.2	ND	ND
490-170022-22 HDP - North @ 7' 6" bgs 3/11/2019 11:57 AM	ND	ND	ND	ND	ND	3.25	ND	8
490-170022-23 HDP - East @ 0-1' bgs 3/11/2019 12:05 PM	ND	ND	ND	ND	ND	4.87	ND	ND
490-170022-24 HDP - East @ 2' bgs 3/11/2019 12:08 PM	ND	ND	ND	ND	ND	3.27	ND	ND
490-170022-25 HDP - East @ 4' bgs 3/11/2019 12:17 PM	ND	ND	ND	ND	ND	3.26	ND	ND
490-170022-26 HDP - East @ 8' bgs 3/11/2019 12:45 PM	ND	ND	ND	ND	ND	4.23	ND	ND
490-170022-27 HDP - South @ 0-1' bgs 3/11/2019 12:58 PM	ND	ND	ND	ND	ND	17.6	8.36	ND
490-170022-28 HDP - South @ 2' bgs 3/11/2019 1:01 PM	ND	ND	ND	ND	ND	3.17	ND	ND
490-170022-29 HDP - South @ 4' bgs 3/11/2019 1:14 PM	ND	ND	ND	ND	ND	3.79	ND	24.1
490-170022-30 HDP - South @ 6' bgs 3/11/2019 1:29 PM	ND	ND	ND	ND	ND	4.68	ND	18.8
490-170022-31 HDP - West @ 0-1' bgs 3/11/2019 1:39 PM	ND	ND	ND	ND	ND	4.17	ND	ND
490-170022-32 HDP - West @ 2' bgs 3/11/2019 1:41 PM	ND	ND	ND	ND	ND	5.19	ND	ND
490-170022-33 HDP - West @ 4' bgs 3/11/2019 1:56 PM	ND	ND	ND	ND	ND	3.2	ND	7.05
490-170022-34 HDP - West @ 7' bgs 3/11/2019 2:14 PM	ND	ND	ND	ND	ND	3.09	ND	ND

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Geo-tagged Site Photographs

Photographs demonstrating facility congestion and the removal of free liquids are provided in the photographic log below. Whenever possible, photographs were geotagged to contain the geographic coordinates, date, time, and other data associated with their capture.

Photographic Log: February 7, 2019,

Photograph	Description
	<p>The subject site is visible and vegetation is present. Hand-augering was the only means of sampling possible in this location due to safety concerns including the presence of flowlines and underground piping.</p> <p>This photograph was captured on February 7, 2019 during a pre-sampling site survey to assess the location. The excavation and the steel flow line are visible</p>
	<p>A marker showing the subject site's location.</p>

<p>DIRECTION 142 deg(T) 32.50162°N 103.28350°W ACCURACY 4 m DATUM WGS84</p>  <p>2019-02-07 10:45:16-06:00</p>	<p>Vegetation is present at the subject site and there is no visual or olfactory indication of contamination. Remedial efforts that included the removal of any impacted soils appear to have been successful.</p>
<p>DIRECTION 232 deg(T) 32.50162°N 103.28326°W ACCURACY 4 m DATUM WGS84</p>  <p>2019-03-11 10:54:07-05:00</p>	<p>The background soil sample location is pictured here. Photograph shows that vegetation is present at the subject site.</p>



Having confirmed that the subject site is clean and that no additional soil will need to be removed, the excavation will be filled with approximately 135 cubic yards of clean soil and feathered to match the surrounding topography. The backfilling of this site is scheduled to take place on the week of May 18, 2020 and will ensure that no excessive water ponding or erosion takes place at the site. The client plans to take photographs of the subject site once it has been backfilled with clean soil and will have these records available upon request.

Request for Release Closure – Soil Sampling Shows that the Subject Site is Remediated

Based on the observations made during site visits, the data associated with confirmation soil sampling, and a review of aerial imagery, it would appear that the remedial tasks performed on behalf of the client in the past were successful in remediating the subject site. The small excavation is scheduled to be filled with clean backfill on the week of May 18, 2020. It is anticipated that revegetation will begin to occur once the winter season has passed.

Sport Environmental, on behalf of XTO Energy requests that closure status be granted for the EMSU #652 which was assigned the 1R-3160 identifier. If NMOCD have any further questions or comments regarding this request for closure, please contact us at (432) 683-1100.

Sincerely,

Debi 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 Final Form C-141*
- B 0.5-Mile Radius Map Denoting Absence of Major Watercourses*
- C Soil Log*
- D Site Plan and Soil Sample Locations*
- E Full Laboratory Analytical Results including Chain-of-Custody*

Attachment A
Final Form C-141

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	NTO1419031274
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party XTO Energy, Inc	OGRID 5380
Contact Name Mr. Shelby Pennington	Contact Telephone (432) 571-8276
Contact email shelby_pennington@xtoenergy.com	Incident # (assigned by OCD)
Contact mailing address	

Location of Release Source

Latitude 32.501554 Longitude -103.283407
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Eunice Monument South Unit 652	Site Type Production Well
Date Release Discovered 03/31/2014	API# (if applicable) 30-025-34140

Unit Letter	Section	Township	Range	County
O	5	21S	36E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) .5	Volume Recovered (bbls) .5
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 30.5	Volume Recovered (bbls) 29.5
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release A backhoe hit a flowline while digging.

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Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 BBLs of fluid were released.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, Mr. John Robinson (XTO Maintenance Foreman) provided notice to Mr. Jeff (NMOCD) at 2:20 p.m. on the day 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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> 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: Mr. Shelby Pennington	Title: Environmental Coordinator
Signature: <u>Shelby Pennington</u>	Date: 05/12/2020
email: shelby_pennington@xtoenergy.com	Telephone: (432) 571-8276
<u>OCD Only</u>	
Received by: Ramona Marcus	Date: 05/13/2020

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Site Assessment/Characterization

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

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

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

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

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

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

Incident ID	NT01419031274
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: Mr. Shelby Pennington Title: Environmental Coordinator
Signature: Shelby Pennington Date: 05/12/2020
email: shelby_pennington@xtoenergy.com Telephone: (432) 571-8276

OCD Only

Received by: Ramon Marcus Date: 05/13/2020

Incident ID	NT01419031274
District RP	
Facility ID	
Application ID	

Remediation Plan

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: _____

Incident ID	NT01419031274
District RP	
Facility ID	
Application ID	

Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Mr. Shelby Pennington Title: Environmental Coordinator
Signature: *Shelby Pennington* Date: 05/12/2020
email: shelby_pennington@xtoenergy.com Telephone: (432) 571-8276

OCD Only

Received by: Ramon Marcus Date: 05/13/2020

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: Jocelyn Harimon Date: 09/22/2022

Printed Name: _____ Title: _____

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

HOBBS OCD

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 August 8, 2011

APR 01 2014

Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

RECEIVED**Release Notification and Corrective Action****OPERATOR**

☒ Initial Report ☐ Final Report

Name of Company XTO Energy	Contact John Robinson
Address PO Box 700 Eunice N.M. 88231	Telephone No. 575-441-5199
Facility Name EMSU 652	Facility Type Production Well

Surface Owner	Mineral Owner State	API No. 30-025-34140
---------------	---------------------	----------------------

LOCATION OF RELEASE

Unit Letter O	Section 5	Township 21-S	Range 36-E	Feet from the 84'	North/South Line SOUTH	Feet from the 1445'	East/West Line EAST	County Lea
------------------	--------------	------------------	---------------	----------------------	---------------------------	------------------------	------------------------	---------------

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release produced wtr and oil	Volume of Release 31 bbls	Volume Recovered 30 bbls
Source of Release Flow Line	Date and Hour of Occurrence 3-31-14 10:30 am	Date and Hour of Discovery 3-31-14 10:30 am
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Called Jeff and talked to him at 2:20 pm	
By Whom? John Robinson	Date and Hour 3-31-14 2:20pm	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

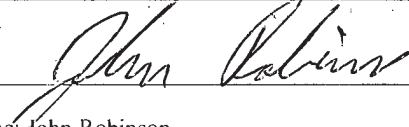

Describe Cause of Problem and Remedial Action Taken.*

Back Hoe hit flowline while digging. EPI will clean up to state standards.

Describe Area Affected and Cleanup Action Taken.*

Pasture. Sucked up all the fluid we could with truck and will start cleanup as soon as one call is up.

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: 	OIL CONSERVATION DIVISION	
Printed Name: John Robinson	Approved by Environmental Specialist: 	
Title: Maintenance Foreman	Approval Date: 7-9-14	Expiration Date: 9-2-14
E-mail Address: john_robinson@xtoenergy.com	Conditions of Approval: Site Samples required Deliniate & remediate to NMOCD guides. Submit free	Attached <input type="checkbox"/> 7-14-3160
Date: 3-31-14 Phone: 575-441-5199		

* Attach Additional Sheets If Necessary

05-14 5380

170 1419

PTO 1419 0300

C-141 by 9-12-14

JUL 09 2014

Attachment B

0.5-Mile Radius Map Demonstrating Absence of Major Watercourses

Legend

- Excavation Floor & Wall Soil Sample Points

ATO Energy - EMSU 652 (1RP-3160)

Location of Floor Sample Point: 32.501554, -103.283407
5-mile radius ring demonstrating that no major watercourses
are present near the subject site.

Imagery Date: November 2, 2017 (Google Earth)

Wall South Wall East
32.500800, -103.283600

Attachment C

Soil Log

Soil Log – EMSU 652

Excavation Wall North

Soil was cored using a stainless-steel hand auger on March 11, 2019. Soil was dark, reddish-brown, and revealed no visual or olfactory signs of contamination. Soil was homogenous and poorly-graded fine sand. No roots or other organic structures present. Soil was homogenous throughout the entire interval that was assessed (i.e., surface to eight feet below ground surface).

Attachment D

Site Plan and Soil Sample Locations

Legend

- Excavation Floor & Wall Soil Sample Points
- Horizontal Delineation Points

ATO Energy - EMSU 652 (1RP-3160)

Location of Floor Sample Point: 32.501554,-103.283407
Oil Sample and horizontal delineation points all demonstrated that
the subject site is clean during confirmation sampling (March 2019).
Imagery Date: November 2, 2017 (Google Earth)

HDP North
Wall North
Floor
Wall South
HDP West
Wall West
HDP East
Wall East
HDP South



40 ft

Attachment E

Full Laboratory Analytical Results including Chain-of-Custody

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville

2960 Foster Creighton Drive

Nashville, TN 37204

Tel: (615)726-0177

TestAmerica Job ID: 490-170022-1

TestAmerica Sample Delivery Group: EMSU 652 (1RP-3160)

Client Project/Site: XTO EMSU 652 (1RP-3160)

For:

Sport Environmental Services LLC

502 N Big Spring St

Midland, Texas 79701

Attn: Debi Sport Moore



Authorized for release by:

3/25/2019 12:32:19 PM

Jennifer Gambill, Project Manager I

(615)301-5044

jennifer.gambill@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

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Sample Summary

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
490-170022-1	BG @ 0-1' bgs	Solid	03/11/19 09:49	03/13/19 10:25
490-170022-2	BG @ 2' bgs	Solid	03/11/19 09:51	03/13/19 10:25
490-170022-3	BG @ 4' bgs	Solid	03/11/19 09:56	03/13/19 10:25
490-170022-4	BG @ 8' bgs	Solid	03/11/19 10:40	03/13/19 10:25
490-170022-5	EX - Wall - North @ 4' bgs	Solid	03/11/19 10:23	03/13/19 10:25
490-170022-6	EX - Wall - North @ 2' bgs	Solid	03/11/19 10:25	03/13/19 10:25
490-170022-7	EX - Wall - North @ 0-1' bgs	Solid	03/11/19 10:27	03/13/19 10:25
490-170022-8	EX - Wall - East @ 4' bgs	Solid	03/11/19 10:32	03/13/19 10:25
490-170022-9	EX - Wall - East @ 2' bgs	Solid	03/11/19 10:34	03/13/19 10:25
490-170022-10	EX - Wall - East @ 0-1' bgs	Solid	03/11/19 10:35	03/13/19 10:25
490-170022-11	EX - Wall - South @ 4' bgs	Solid	03/11/19 10:45	03/13/19 10:25
490-170022-12	EX - Wall - South @ 2' bgs	Solid	03/11/19 10:47	03/13/19 10:25
490-170022-13	EX - Wall - South @ 0-1' bgs	Solid	03/11/19 10:48	03/13/19 10:25
490-170022-14	EX - Wall - West @ 4' bgs	Solid	03/11/19 10:55	03/13/19 10:25
490-170022-15	EX - Wall - West @ 2' bgs	Solid	03/11/19 10:58	03/13/19 10:25
490-170022-16	EX - Wall - West @ 0-1' bgs	Solid	03/11/19 10:59	03/13/19 10:25
490-170022-17	EX - Floor @ 4' bgs	Solid	03/11/19 11:05	03/13/19 10:25
490-170022-18	EX - Floor @ 8' bgs	Solid	03/11/19 11:13	03/13/19 10:25
490-170022-19	HDP - North @ 0-1' bgs	Solid	03/11/19 11:17	03/13/19 10:25
490-170022-20	HDP - North @ 2' bgs	Solid	03/11/19 11:19	03/13/19 10:25
490-170022-21	HDP - North @ 4' bgs	Solid	03/11/19 11:27	03/13/19 10:25
490-170022-22	HDP - North @ 7' 6" bgs	Solid	03/11/19 11:57	03/13/19 10:25
490-170022-23	HDP - East @ 0-1' bgs	Solid	03/11/19 12:05	03/13/19 10:25
490-170022-24	HDP - East @ 2' bgs	Solid	03/11/19 12:08	03/13/19 10:25
490-170022-25	HDP - East @ 4' bgs	Solid	03/11/19 12:17	03/13/19 10:25
490-170022-26	HDP - East @ 8' bgs	Solid	03/11/19 12:45	03/13/19 10:25
490-170022-27	HDP - South @ 0-1' bgs	Solid	03/11/19 12:58	03/13/19 10:25
490-170022-28	HDP - South @ 2' bgs	Solid	03/11/19 13:01	03/13/19 10:25
490-170022-29	HDP - South @ 4' bgs	Solid	03/11/19 13:14	03/13/19 10:25
490-170022-30	HDP - South @ 6' bgs	Solid	03/11/19 13:29	03/13/19 10:25
490-170022-31	HDP - West @ 0-1' bgs	Solid	03/11/19 13:39	03/13/19 10:25
490-170022-32	HDP - West @ 2' bgs	Solid	03/11/19 13:41	03/13/19 10:25
490-170022-33	HDP - West @ 4' bgs	Solid	03/11/19 13:56	03/13/19 10:25
490-170022-34	HDP - West @ 7' bgs	Solid	03/11/19 14:14	03/13/19 10:25

TestAmerica Nashville

Case Narrative

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Job ID: 490-170022-1**Laboratory: TestAmerica Nashville****Narrative****Job Narrative
490-170022-1****Comments**

No additional comments.

Receipt

The samples were received on 3/13/2019 10:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.5° C.

HPLC/IC

Method(s) 300.0: The matrix spike (MS) recovery for preparation batch 490-582189 and analytical batch 490-582365 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

GC VOA

Method(s) 8015B: The matrix spike duplicate (MSD) recoveries for preparation batch 490-580786 and analytical batch 490-581519 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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Definitions/Glossary

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

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 VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
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.

HPLC/IC

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.
F1	MS and/or MSD Recovery is outside acceptance limits.

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: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: BG @ 0-1' bgs

Lab Sample ID: 490-170022-1

Date Collected: 03/11/19 09:49

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00178	0.000597	mg/Kg		03/14/19 07:35	03/14/19 16:33	1
Ethylbenzene	ND		0.00178	0.000597	mg/Kg		03/14/19 07:35	03/14/19 16:33	1
Toluene	ND		0.00178	0.000660	mg/Kg		03/14/19 07:35	03/14/19 16:33	1
Xylenes, Total	ND		0.00535	0.00110	mg/Kg		03/14/19 07:35	03/14/19 16:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 130	03/14/19 07:35	03/14/19 16:33	1
4-Bromofluorobenzene (Surr)	106		70 - 130	03/14/19 07:35	03/14/19 16:33	1
Dibromofluoromethane (Surr)	96		70 - 130	03/14/19 07:35	03/14/19 16:33	1
Toluene-d8 (Surr)	108		70 - 130	03/14/19 07:35	03/14/19 16:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.28	2.14	mg/Kg		03/14/19 07:35	03/18/19 13:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	82		50 - 150	03/14/19 07:35	03/18/19 13:38	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		4.97	2.49	mg/Kg		03/18/19 10:59	03/20/19 01:44	1
MRO (C28-C35)	5.43		4.97	2.49	mg/Kg		03/18/19 10:59	03/20/19 01:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	92		50 - 150	03/18/19 10:59	03/20/19 01:44	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10.1	7.05	mg/Kg			03/20/19 23:02	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: BG @ 2' bgs

Lab Sample ID: 490-170022-2

Date Collected: 03/11/19 09:51

Matrix: Solid

Date Received: 03/13/19 10:25

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		03/14/19 07:35	03/14/19 17:03	1
Ethylbenzene	ND		0.00182	0.000610	mg/Kg		03/14/19 07:35	03/14/19 17:03	1
Toluene	ND		0.00182	0.000674	mg/Kg		03/14/19 07:35	03/14/19 17:03	1
Xylenes, Total	ND		0.00546	0.00112	mg/Kg		03/14/19 07:35	03/14/19 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		70 - 130	03/14/19 07:35	03/14/19 17:03	1
4-Bromofluorobenzene (Surr)	104		70 - 130	03/14/19 07:35	03/14/19 17:03	1
Dibromofluoromethane (Surr)	97		70 - 130	03/14/19 07:35	03/14/19 17:03	1
Toluene-d8 (Surr)	108		70 - 130	03/14/19 07:35	03/14/19 17:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.83	2.41	mg/Kg		03/14/19 07:35	03/18/19 14:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	84		50 - 150	03/14/19 07:35	03/18/19 14:11	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		4.97	2.48	mg/Kg		03/18/19 10:59	03/20/19 02:01	1
MRO (C28-C35)	13.2		4.97	2.48	mg/Kg		03/18/19 10:59	03/20/19 02:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	90		50 - 150	03/18/19 10:59	03/20/19 02:01	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		9.99	6.99	mg/Kg			03/20/19 23:14	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: BG @ 4' bgs

Lab Sample ID: 490-170022-3

Date Collected: 03/11/19 09:56

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00187	0.000627	mg/Kg		03/14/19 07:35	03/14/19 17:33	1
Ethylbenzene	ND		0.00187	0.000627	mg/Kg		03/14/19 07:35	03/14/19 17:33	1
Toluene	ND		0.00187	0.000693	mg/Kg		03/14/19 07:35	03/14/19 17:33	1
Xylenes, Total	ND		0.00562	0.00115	mg/Kg		03/14/19 07:35	03/14/19 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		70 - 130	03/14/19 07:35	03/14/19 17:33	1
4-Bromofluorobenzene (Surr)	100		70 - 130	03/14/19 07:35	03/14/19 17:33	1
Dibromofluoromethane (Surr)	97		70 - 130	03/14/19 07:35	03/14/19 17:33	1
Toluene-d8 (Surr)	106		70 - 130	03/14/19 07:35	03/14/19 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.58	2.29	mg/Kg		03/14/19 07:35	03/18/19 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	82		50 - 150	03/14/19 07:35	03/18/19 14:45	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		03/18/19 10:59	03/20/19 02:18	1
MRO (C28-C35)	ND		4.99	2.50	mg/Kg		03/18/19 10:59	03/20/19 02:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	104		50 - 150	03/18/19 10:59	03/20/19 02:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		9.90	6.93	mg/Kg			03/20/19 23:26	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: BG @ 8' bgs

Lab Sample ID: 490-170022-4

Date Collected: 03/11/19 10:40

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00172	0.000578	mg/Kg		03/14/19 07:35	03/14/19 18:03	1
Ethylbenzene	ND		0.00172	0.000578	mg/Kg		03/14/19 07:35	03/14/19 18:03	1
Toluene	ND		0.00172	0.000638	mg/Kg		03/14/19 07:35	03/14/19 18:03	1
Xylenes, Total	ND		0.00517	0.00106	mg/Kg		03/14/19 07:35	03/14/19 18:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 130	03/14/19 07:35	03/14/19 18:03	1
4-Bromofluorobenzene (Surr)	101		70 - 130	03/14/19 07:35	03/14/19 18:03	1
Dibromofluoromethane (Surr)	97		70 - 130	03/14/19 07:35	03/14/19 18:03	1
Toluene-d8 (Surr)	105		70 - 130	03/14/19 07:35	03/14/19 18:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.97	2.49	mg/Kg		03/14/19 07:35	03/18/19 15:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	85		50 - 150	03/14/19 07:35	03/18/19 15:19	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	2.47	mg/Kg		03/18/19 10:59	03/20/19 02:34	1
MRO (C28-C35)	ND		4.93	2.47	mg/Kg		03/18/19 10:59	03/20/19 02:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	72		50 - 150	03/18/19 10:59	03/20/19 02:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10.0	7.00	mg/Kg			03/21/19 00:00	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - North @ 4' bgs

Lab Sample ID: 490-170022-5

Date Collected: 03/11/19 10:23

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00171	0.000574	mg/Kg		03/14/19 07:35	03/14/19 18:33	1
Ethylbenzene	ND		0.00171	0.000574	mg/Kg		03/14/19 07:35	03/14/19 18:33	1
Toluene	0.000837	J	0.00171	0.000634	mg/Kg		03/14/19 07:35	03/14/19 18:33	1
Xylenes, Total	ND		0.00514	0.00105	mg/Kg		03/14/19 07:35	03/14/19 18:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 130	03/14/19 07:35	03/14/19 18:33	1
4-Bromofluorobenzene (Surr)	101		70 - 130	03/14/19 07:35	03/14/19 18:33	1
Dibromofluoromethane (Surr)	98		70 - 130	03/14/19 07:35	03/14/19 18:33	1
Toluene-d8 (Surr)	108		70 - 130	03/14/19 07:35	03/14/19 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	2.37	J	4.36	2.18	mg/Kg		03/14/19 07:35	03/18/19 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	80		50 - 150	03/14/19 07:35	03/18/19 15:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.04	J	4.94	2.47	mg/Kg		03/18/19 10:59	03/20/19 02:51	1
MRO (C28-C35)	ND		4.94	2.47	mg/Kg		03/18/19 10:59	03/20/19 02:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	91		50 - 150	03/18/19 10:59	03/20/19 02:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	43.9		9.90	6.93	mg/Kg			03/21/19 00:24	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - North @ 2' bgs

Lab Sample ID: 490-170022-6

Date Collected: 03/11/19 10:25

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00199	0.000667	mg/Kg		03/14/19 07:35	03/14/19 19:02	1
Ethylbenzene	ND		0.00199	0.000667	mg/Kg		03/14/19 07:35	03/14/19 19:02	1
Toluene	ND		0.00199	0.000737	mg/Kg		03/14/19 07:35	03/14/19 19:02	1
Xylenes, Total	ND		0.00598	0.00123	mg/Kg		03/14/19 07:35	03/14/19 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 130	03/14/19 07:35	03/14/19 19:02	1
4-Bromofluorobenzene (Surr)	100		70 - 130	03/14/19 07:35	03/14/19 19:02	1
Dibromofluoromethane (Surr)	97		70 - 130	03/14/19 07:35	03/14/19 19:02	1
Toluene-d8 (Surr)	106		70 - 130	03/14/19 07:35	03/14/19 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.43	2.22	mg/Kg		03/14/19 07:35	03/18/19 16:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	81		50 - 150	03/14/19 07:35	03/18/19 16:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.30	J	4.95	2.48	mg/Kg		03/18/19 10:59	03/20/19 03:07	1
MRO (C28-C35)	ND		4.95	2.48	mg/Kg		03/18/19 10:59	03/20/19 03:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	98		50 - 150	03/18/19 10:59	03/20/19 03:07	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		9.86	6.90	mg/Kg			03/21/19 00:35	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - North @ 0-1' bgs

Lab Sample ID: 490-170022-7

Date Collected: 03/11/19 10:27

Matrix: Solid

Date Received: 03/13/19 10:25

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		03/14/19 07:35	03/14/19 19:32	1
Ethylbenzene	ND		0.00188	0.000629	mg/Kg		03/14/19 07:35	03/14/19 19:32	1
Toluene	ND		0.00188	0.000694	mg/Kg		03/14/19 07:35	03/14/19 19:32	1
Xylenes, Total	ND		0.00563	0.00115	mg/Kg		03/14/19 07:35	03/14/19 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 130	03/14/19 07:35	03/14/19 19:32	1
4-Bromofluorobenzene (Surr)	99		70 - 130	03/14/19 07:35	03/14/19 19:32	1
Dibromofluoromethane (Surr)	96		70 - 130	03/14/19 07:35	03/14/19 19:32	1
Toluene-d8 (Surr)	107		70 - 130	03/14/19 07:35	03/14/19 19:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.46	2.23	mg/Kg		03/14/19 07:35	03/18/19 17:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	82		50 - 150	03/14/19 07:35	03/18/19 17:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.28	J	4.91	2.45	mg/Kg		03/18/19 10:59	03/20/19 03:57	1
MRO (C28-C35)	2.99	J	4.91	2.45	mg/Kg		03/18/19 10:59	03/20/19 03:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	99		50 - 150	03/18/19 10:59	03/20/19 03:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10.1	7.05	mg/Kg			03/21/19 00:47	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - East @ 4' bgs

Lab Sample ID: 490-170022-8

Date Collected: 03/11/19 10:32

Matrix: Solid

Date Received: 03/13/19 10:25

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		03/14/19 07:35	03/14/19 20:02	1
Ethylbenzene	0.00263		0.00188	0.000629	mg/Kg		03/14/19 07:35	03/14/19 20:02	1
Toluene	0.00462		0.00188	0.000694	mg/Kg		03/14/19 07:35	03/14/19 20:02	1
Xylenes, Total	0.0127		0.00563	0.00115	mg/Kg		03/14/19 07:35	03/14/19 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 130	03/14/19 07:35	03/14/19 20:02	1
4-Bromofluorobenzene (Surr)	99		70 - 130	03/14/19 07:35	03/14/19 20:02	1
Dibromofluoromethane (Surr)	97		70 - 130	03/14/19 07:35	03/14/19 20:02	1
Toluene-d8 (Surr)	105		70 - 130	03/14/19 07:35	03/14/19 20:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.96	2.48	mg/Kg		03/14/19 07:35	03/18/19 17:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	83		50 - 150	03/14/19 07:35	03/18/19 17:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.08	J	4.98	2.49	mg/Kg		03/18/19 10:59	03/20/19 04:13	1
MRO (C28-C35)	2.82	J	4.98	2.49	mg/Kg		03/18/19 10:59	03/20/19 04:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	105		50 - 150	03/18/19 10:59	03/20/19 04:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	105		9.97	6.98	mg/Kg			03/21/19 00:58	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - East @ 2' bgs

Lab Sample ID: 490-170022-9

Date Collected: 03/11/19 10:34

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000951	J	0.00183	0.000612	mg/Kg		03/14/19 07:35	03/14/19 20:32	1
Ethylbenzene	0.00508		0.00183	0.000612	mg/Kg		03/14/19 07:35	03/14/19 20:32	1
Toluene	0.0125		0.00183	0.000676	mg/Kg		03/14/19 07:35	03/14/19 20:32	1
Xylenes, Total	0.0228		0.00548	0.00112	mg/Kg		03/14/19 07:35	03/14/19 20:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		70 - 130	03/14/19 07:35	03/14/19 20:32	1
4-Bromofluorobenzene (Surr)	100		70 - 130	03/14/19 07:35	03/14/19 20:32	1
Dibromofluoromethane (Surr)	97		70 - 130	03/14/19 07:35	03/14/19 20:32	1
Toluene-d8 (Surr)	106		70 - 130	03/14/19 07:35	03/14/19 20:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.75	2.38	mg/Kg		03/14/19 07:35	03/18/19 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	83		50 - 150	03/14/19 07:35	03/18/19 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	2.86	J	4.93	2.47	mg/Kg		03/18/19 10:59	03/20/19 04:30	1
MRO (C28-C35)	2.70	J	4.93	2.47	mg/Kg		03/18/19 10:59	03/20/19 04:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	97		50 - 150	03/18/19 10:59	03/20/19 04:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.4		9.90	6.93	mg/Kg			03/21/19 01:10	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - East @ 0-1' bgs

Lab Sample ID: 490-170022-10

Date Collected: 03/11/19 10:35

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00186	0.000624	mg/Kg		03/14/19 07:35	03/14/19 21:02	1
Ethylbenzene	0.00136	J	0.00186	0.000624	mg/Kg		03/14/19 07:35	03/14/19 21:02	1
Toluene	0.00269		0.00186	0.000689	mg/Kg		03/14/19 07:35	03/14/19 21:02	1
Xylenes, Total	0.00702		0.00559	0.00115	mg/Kg		03/14/19 07:35	03/14/19 21:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 130	03/14/19 07:35	03/14/19 21:02	1
4-Bromofluorobenzene (Surr)	102		70 - 130	03/14/19 07:35	03/14/19 21:02	1
Dibromofluoromethane (Surr)	98		70 - 130	03/14/19 07:35	03/14/19 21:02	1
Toluene-d8 (Surr)	108		70 - 130	03/14/19 07:35	03/14/19 21:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.61	2.31	mg/Kg		03/14/19 07:35	03/18/19 18:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	80		50 - 150	03/14/19 07:35	03/18/19 18:41	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	2.49	mg/Kg		03/18/19 10:59	03/20/19 04:47	1
MRO (C28-C35)	2.88	J	4.99	2.49	mg/Kg		03/18/19 10:59	03/20/19 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	112		50 - 150	03/18/19 10:59	03/20/19 23:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		9.92	6.95	mg/Kg			03/21/19 01:22	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - South @ 4' bgs

Lab Sample ID: 490-170022-11

Date Collected: 03/11/19 10:45

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00193	0.000648	mg/Kg		03/14/19 07:35	03/14/19 21:31	1
Ethylbenzene	ND		0.00193	0.000648	mg/Kg		03/14/19 07:35	03/14/19 21:31	1
Toluene	ND		0.00193	0.000716	mg/Kg		03/14/19 07:35	03/14/19 21:31	1
Xylenes, Total	ND		0.00580	0.00119	mg/Kg		03/14/19 07:35	03/14/19 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		70 - 130	03/14/19 07:35	03/14/19 21:31	1
4-Bromofluorobenzene (Surr)	101		70 - 130	03/14/19 07:35	03/14/19 21:31	1
Dibromofluoromethane (Surr)	96		70 - 130	03/14/19 07:35	03/14/19 21:31	1
Toluene-d8 (Surr)	107		70 - 130	03/14/19 07:35	03/14/19 21:31	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		03/14/19 07:35	03/18/19 19:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	81		50 - 150	03/14/19 07:35	03/18/19 19:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	3.73	J	4.98	2.49	mg/Kg		03/18/19 10:59	03/20/19 05:03	1
MRO (C28-C35)	3.13	J	4.98	2.49	mg/Kg		03/18/19 10:59	03/20/19 05:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	95		50 - 150	03/18/19 10:59	03/20/19 05:03	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.66	J	10.0	7.03	mg/Kg			03/21/19 01:33	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - South @ 2' bgs

Lab Sample ID: 490-170022-12

Date Collected: 03/11/19 10:47

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00196	0.000658	mg/Kg		03/14/19 07:35	03/14/19 22:01	1
Ethylbenzene	0.000692	J	0.00196	0.000658	mg/Kg		03/14/19 07:35	03/14/19 22:01	1
Toluene	0.00115	J	0.00196	0.000727	mg/Kg		03/14/19 07:35	03/14/19 22:01	1
Xylenes, Total	0.00337	J	0.00589	0.00121	mg/Kg		03/14/19 07:35	03/14/19 22:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		70 - 130	03/14/19 07:35	03/14/19 22:01	1
4-Bromofluorobenzene (Surr)	99		70 - 130	03/14/19 07:35	03/14/19 22:01	1
Dibromofluoromethane (Surr)	98		70 - 130	03/14/19 07:35	03/14/19 22:01	1
Toluene-d8 (Surr)	107		70 - 130	03/14/19 07:35	03/14/19 22:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.66	2.33	mg/Kg		03/14/19 07:35	03/18/19 19:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	82		50 - 150	03/14/19 07:35	03/18/19 19:48	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	2.49	mg/Kg		03/18/19 10:59	03/20/19 05:19	1
MRO (C28-C35)	2.55	J	4.99	2.49	mg/Kg		03/18/19 10:59	03/20/19 05:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	82		50 - 150	03/18/19 10:59	03/20/19 05:19	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		9.87	6.91	mg/Kg			03/21/19 01:45	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - South @ 0-1' bgs

Lab Sample ID: 490-170022-13

Date Collected: 03/11/19 10:48

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00190	0.000637	mg/Kg		03/14/19 07:35	03/14/19 22:31	1
Ethylbenzene	0.00135	J	0.00190	0.000637	mg/Kg		03/14/19 07:35	03/14/19 22:31	1
Toluene	0.00224		0.00190	0.000703	mg/Kg		03/14/19 07:35	03/14/19 22:31	1
Xylenes, Total	0.00724		0.00570	0.00117	mg/Kg		03/14/19 07:35	03/14/19 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		70 - 130	03/14/19 07:35	03/14/19 22:31	1
4-Bromofluorobenzene (Surr)	100		70 - 130	03/14/19 07:35	03/14/19 22:31	1
Dibromofluoromethane (Surr)	98		70 - 130	03/14/19 07:35	03/14/19 22:31	1
Toluene-d8 (Surr)	107		70 - 130	03/14/19 07:35	03/14/19 22:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.95	2.48	mg/Kg		03/14/19 07:35	03/18/19 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	80		50 - 150	03/14/19 07:35	03/18/19 20:22	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		4.97	2.49	mg/Kg		03/18/19 10:59	03/20/19 05:36	1
MRO (C28-C35)	ND		4.97	2.49	mg/Kg		03/18/19 10:59	03/20/19 05:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	85		50 - 150	03/18/19 10:59	03/20/19 05:36	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			03/21/19 01:56	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - West @ 4' bgs

Lab Sample ID: 490-170022-14

Date Collected: 03/11/19 10:55

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00195	0.000654	mg/Kg		03/14/19 07:35	03/14/19 23:01	1
Ethylbenzene	0.00325		0.00195	0.000654	mg/Kg		03/14/19 07:35	03/14/19 23:01	1
Toluene	0.00567		0.00195	0.000723	mg/Kg		03/14/19 07:35	03/14/19 23:01	1
Xylenes, Total	0.0164		0.00586	0.00120	mg/Kg		03/14/19 07:35	03/14/19 23:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 130	03/14/19 07:35	03/14/19 23:01	1
4-Bromofluorobenzene (Surr)	99		70 - 130	03/14/19 07:35	03/14/19 23:01	1
Dibromofluoromethane (Surr)	98		70 - 130	03/14/19 07:35	03/14/19 23:01	1
Toluene-d8 (Surr)	107		70 - 130	03/14/19 07:35	03/14/19 23:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.77	2.39	mg/Kg		03/14/19 07:35	03/18/19 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	80		50 - 150	03/14/19 07:35	03/18/19 20:55	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		4.92	2.46	mg/Kg		03/18/19 11:07	03/19/19 17:40	1
MRO (C28-C35)	2.55	J	4.92	2.46	mg/Kg		03/18/19 11:07	03/20/19 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	114		50 - 150	03/18/19 11:07	03/19/19 17:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		9.95	6.97	mg/Kg			03/21/19 03:29	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - West @ 2' bgs

Lab Sample ID: 490-170022-15

Date Collected: 03/11/19 10:58

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00181	0.000605	mg/Kg		03/14/19 07:35	03/14/19 23:31	1
Ethylbenzene	0.000799	J	0.00181	0.000605	mg/Kg		03/14/19 07:35	03/14/19 23:31	1
Toluene	0.00170	J	0.00181	0.000668	mg/Kg		03/14/19 07:35	03/14/19 23:31	1
Xylenes, Total	0.00419	J	0.00542	0.00111	mg/Kg		03/14/19 07:35	03/14/19 23:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 130	03/14/19 07:35	03/14/19 23:31	1
4-Bromofluorobenzene (Surr)	100		70 - 130	03/14/19 07:35	03/14/19 23:31	1
Dibromofluoromethane (Surr)	98		70 - 130	03/14/19 07:35	03/14/19 23:31	1
Toluene-d8 (Surr)	108		70 - 130	03/14/19 07:35	03/14/19 23:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.64	2.32	mg/Kg		03/14/19 07:35	03/18/19 21:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	84		50 - 150	03/14/19 07:35	03/18/19 21:29	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		03/18/19 11:07	03/19/19 17:58	1
MRO (C28-C35)	3.56	J	4.93	2.46	mg/Kg		03/18/19 11:07	03/20/19 18:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	105		50 - 150	03/18/19 11:07	03/19/19 17:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		9.94	6.96	mg/Kg			03/21/19 03:52	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - West @ 0-1' bgs

Lab Sample ID: 490-170022-16

Date Collected: 03/11/19 10:59

Matrix: Solid

Date Received: 03/13/19 10:25

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		03/14/19 07:35	03/15/19 00:00	1
Ethylbenzene	0.00195		0.00194	0.000649	mg/Kg		03/14/19 07:35	03/15/19 00:00	1
Toluene	0.00349		0.00194	0.000717	mg/Kg		03/14/19 07:35	03/15/19 00:00	1
Xylenes, Total	0.0102		0.00581	0.00119	mg/Kg		03/14/19 07:35	03/15/19 00:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 130	03/14/19 07:35	03/15/19 00:00	1
4-Bromofluorobenzene (Surr)	101		70 - 130	03/14/19 07:35	03/15/19 00:00	1
Dibromofluoromethane (Surr)	96		70 - 130	03/14/19 07:35	03/15/19 00:00	1
Toluene-d8 (Surr)	108		70 - 130	03/14/19 07:35	03/15/19 00:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.65	2.32	mg/Kg		03/14/19 07:35	03/18/19 22:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	84		50 - 150	03/14/19 07:35	03/18/19 22:02	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		4.98	2.49	mg/Kg		03/18/19 11:07	03/19/19 18:16	1
MRO (C28-C35)	2.63	J	4.98	2.49	mg/Kg		03/18/19 11:07	03/20/19 15:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	109		50 - 150	03/18/19 11:07	03/19/19 18:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		9.98	6.99	mg/Kg			03/21/19 04:04	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Floor @ 4' bgs

Lab Sample ID: 490-170022-17

Date Collected: 03/11/19 11:05

Matrix: Solid

Date Received: 03/13/19 10:25

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		03/14/19 07:35	03/15/19 17:37	1
Ethylbenzene	ND		0.00191	0.000639	mg/Kg		03/14/19 07:35	03/15/19 17:37	1
Toluene	ND		0.00191	0.000706	mg/Kg		03/14/19 07:35	03/15/19 17:37	1
Xylenes, Total	ND		0.00573	0.00117	mg/Kg		03/14/19 07:35	03/15/19 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 130	03/14/19 07:35	03/15/19 17:37	1
4-Bromofluorobenzene (Surr)	100		70 - 130	03/14/19 07:35	03/15/19 17:37	1
Dibromofluoromethane (Surr)	96		70 - 130	03/14/19 07:35	03/15/19 17:37	1
Toluene-d8 (Surr)	107		70 - 130	03/14/19 07:35	03/15/19 17:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.46	2.23	mg/Kg		03/14/19 07:35	03/18/19 22:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	81		50 - 150	03/14/19 07:35	03/18/19 22:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	4.09	J	4.89	2.45	mg/Kg		03/18/19 11:07	03/19/19 18:34	1
MRO (C28-C35)	10.4		4.89	2.45	mg/Kg		03/18/19 11:07	03/20/19 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	102		50 - 150	03/18/19 11:07	03/19/19 18:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.5		9.87	6.91	mg/Kg			03/21/19 04:15	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Floor @ 8' bgs

Lab Sample ID: 490-170022-18

Date Collected: 03/11/19 11:13

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00190	0.000638	mg/Kg		03/14/19 07:35	03/15/19 18:07	1
Ethylbenzene	ND		0.00190	0.000638	mg/Kg		03/14/19 07:35	03/15/19 18:07	1
Toluene	ND		0.00190	0.000705	mg/Kg		03/14/19 07:35	03/15/19 18:07	1
Xylenes, Total	0.00119	J	0.00571	0.00117	mg/Kg		03/14/19 07:35	03/15/19 18:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 130	03/14/19 07:35	03/15/19 18:07	1
4-Bromofluorobenzene (Surr)	102		70 - 130	03/14/19 07:35	03/15/19 18:07	1
Dibromofluoromethane (Surr)	97		70 - 130	03/14/19 07:35	03/15/19 18:07	1
Toluene-d8 (Surr)	106		70 - 130	03/14/19 07:35	03/15/19 18:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.88	2.44	mg/Kg		03/14/19 07:35	03/18/19 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	82		50 - 150	03/14/19 07:35	03/18/19 23:09	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	2.49	mg/Kg		03/18/19 11:07	03/19/19 18:52	1
MRO (C28-C35)	2.82	J	4.99	2.49	mg/Kg		03/18/19 11:07	03/20/19 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	101		50 - 150	03/18/19 11:07	03/19/19 18:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10.1	7.09	mg/Kg			03/21/19 04:27	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - North @ 0-1' bgs

Lab Sample ID: 490-170022-19

Date Collected: 03/11/19 11:17

Matrix: Solid

Date Received: 03/13/19 10:25

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		03/14/19 07:35	03/15/19 18:36	1
Ethylbenzene	ND		0.00182	0.000610	mg/Kg		03/14/19 07:35	03/15/19 18:36	1
Toluene	ND		0.00182	0.000674	mg/Kg		03/14/19 07:35	03/15/19 18:36	1
Xylenes, Total	0.00124	J	0.00546	0.00112	mg/Kg		03/14/19 07:35	03/15/19 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		70 - 130	03/14/19 07:35	03/15/19 18:36	1
4-Bromofluorobenzene (Surr)	103		70 - 130	03/14/19 07:35	03/15/19 18:36	1
Dibromofluoromethane (Surr)	97		70 - 130	03/14/19 07:35	03/15/19 18:36	1
Toluene-d8 (Surr)	109		70 - 130	03/14/19 07:35	03/15/19 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.20	2.10	mg/Kg		03/14/19 07:35	03/18/19 23:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	81		50 - 150	03/14/19 07:35	03/18/19 23:43	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		03/18/19 11:07	03/19/19 19:09	1
MRO (C28-C35)	5.53		4.99	2.50	mg/Kg		03/18/19 11:07	03/20/19 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	108		50 - 150	03/18/19 11:07	03/19/19 19:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10.0	7.02	mg/Kg			03/21/19 04:39	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - North @ 2' bgs

Lab Sample ID: 490-170022-20

Date Collected: 03/11/19 11:19

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00189	0.000633	mg/Kg		03/14/19 07:35	03/15/19 19:06	1
Ethylbenzene	ND		0.00189	0.000633	mg/Kg		03/14/19 07:35	03/15/19 19:06	1
Toluene	ND		0.00189	0.000699	mg/Kg		03/14/19 07:35	03/15/19 19:06	1
Xylenes, Total	ND		0.00567	0.00116	mg/Kg		03/14/19 07:35	03/15/19 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 130	03/14/19 07:35	03/15/19 19:06	1
4-Bromofluorobenzene (Surr)	101		70 - 130	03/14/19 07:35	03/15/19 19:06	1
Dibromofluoromethane (Surr)	98		70 - 130	03/14/19 07:35	03/15/19 19:06	1
Toluene-d8 (Surr)	107		70 - 130	03/14/19 07:35	03/15/19 19:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND	F1	4.96	2.48	mg/Kg		03/14/19 07:35	03/19/19 00:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	84		50 - 150	03/14/19 07:35	03/19/19 00:16	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		4.98	2.49	mg/Kg		03/18/19 11:07	03/19/19 19:27	1
MRO (C28-C35)	7.36		4.98	2.49	mg/Kg		03/18/19 11:07	03/20/19 16:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	107		50 - 150	03/18/19 11:07	03/19/19 19:27	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			03/21/19 04:50	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - North @ 4' bgs

Lab Sample ID: 490-170022-21

Date Collected: 03/11/19 11:27

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00192	0.000642	mg/Kg		03/14/19 10:03	03/16/19 03:10	1
Ethylbenzene	ND		0.00192	0.000642	mg/Kg		03/14/19 10:03	03/16/19 03:10	1
Toluene	ND		0.00192	0.000709	mg/Kg		03/14/19 10:03	03/16/19 03:10	1
Xylenes, Total	ND		0.00575	0.00118	mg/Kg		03/14/19 10:03	03/16/19 03:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		70 - 130	03/14/19 10:03	03/16/19 03:10	1
4-Bromofluorobenzene (Surr)	106		70 - 130	03/14/19 10:03	03/16/19 03:10	1
Dibromofluoromethane (Surr)	100		70 - 130	03/14/19 10:03	03/16/19 03:10	1
Toluene-d8 (Surr)	105		70 - 130	03/14/19 10:03	03/16/19 03:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.73	2.37	mg/Kg		03/14/19 10:03	03/15/19 13:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	86		50 - 150	03/14/19 10:03	03/15/19 13:52	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		03/18/19 11:07	03/19/19 19:45	1
MRO (C28-C35)	3.20	J	4.95	2.48	mg/Kg		03/18/19 11:07	03/20/19 16:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	104		50 - 150	03/18/19 11:07	03/19/19 19:45	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10.1	7.09	mg/Kg			03/21/19 05:02	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - North @ 7' 6" bgs

Lab Sample ID: 490-170022-22

Date Collected: 03/11/19 11:57

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00190	0.000636	mg/Kg		03/14/19 10:03	03/16/19 03:38	1
Ethylbenzene	ND		0.00190	0.000636	mg/Kg		03/14/19 10:03	03/16/19 03:38	1
Toluene	ND		0.00190	0.000702	mg/Kg		03/14/19 10:03	03/16/19 03:38	1
Xylenes, Total	ND		0.00569	0.00117	mg/Kg		03/14/19 10:03	03/16/19 03:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 130	03/14/19 10:03	03/16/19 03:38	1
4-Bromofluorobenzene (Surr)	108		70 - 130	03/14/19 10:03	03/16/19 03:38	1
Dibromofluoromethane (Surr)	99		70 - 130	03/14/19 10:03	03/16/19 03:38	1
Toluene-d8 (Surr)	107		70 - 130	03/14/19 10:03	03/16/19 03:38	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		03/14/19 10:03	03/15/19 14:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	82		50 - 150	03/14/19 10:03	03/15/19 14:26	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		03/18/19 11:07	03/19/19 20:02	1
MRO (C28-C35)	3.25	J	4.96	2.48	mg/Kg		03/18/19 11:07	03/20/19 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	122		50 - 150	03/18/19 11:07	03/19/19 20:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	8.00	J	9.92	6.94	mg/Kg			03/21/19 05:13	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - East @ 0-1' bgs

Lab Sample ID: 490-170022-23

Date Collected: 03/11/19 12:05

Matrix: Solid

Date Received: 03/13/19 10:25

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		03/14/19 10:03	03/16/19 04:07	1
Ethylbenzene	ND		0.00194	0.000649	mg/Kg		03/14/19 10:03	03/16/19 04:07	1
Toluene	ND		0.00194	0.000717	mg/Kg		03/14/19 10:03	03/16/19 04:07	1
Xylenes, Total	ND		0.00581	0.00119	mg/Kg		03/14/19 10:03	03/16/19 04:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		70 - 130	03/14/19 10:03	03/16/19 04:07	1
4-Bromofluorobenzene (Surr)	109		70 - 130	03/14/19 10:03	03/16/19 04:07	1
Dibromofluoromethane (Surr)	102		70 - 130	03/14/19 10:03	03/16/19 04:07	1
Toluene-d8 (Surr)	105		70 - 130	03/14/19 10:03	03/16/19 04:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.66	2.33	mg/Kg		03/14/19 10:03	03/15/19 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	82		50 - 150	03/14/19 10:03	03/15/19 14:59	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		4.92	2.46	mg/Kg		03/18/19 11:07	03/19/19 20:20	1
MRO (C28-C35)	4.87	J	4.92	2.46	mg/Kg		03/18/19 11:07	03/20/19 17:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	100		50 - 150	03/18/19 11:07	03/19/19 20:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		9.88	6.91	mg/Kg			03/21/19 05:25	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - East @ 2' bgs

Lab Sample ID: 490-170022-24

Date Collected: 03/11/19 12:08

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00175	0.000588	mg/Kg		03/14/19 10:03	03/16/19 04:35	1
Ethylbenzene	ND		0.00175	0.000588	mg/Kg		03/14/19 10:03	03/16/19 04:35	1
Toluene	ND		0.00175	0.000649	mg/Kg		03/14/19 10:03	03/16/19 04:35	1
Xylenes, Total	ND		0.00526	0.00108	mg/Kg		03/14/19 10:03	03/16/19 04:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 130	03/14/19 10:03	03/16/19 04:35	1
4-Bromofluorobenzene (Surr)	112		70 - 130	03/14/19 10:03	03/16/19 04:35	1
Dibromofluoromethane (Surr)	97		70 - 130	03/14/19 10:03	03/16/19 04:35	1
Toluene-d8 (Surr)	108		70 - 130	03/14/19 10:03	03/16/19 04:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.69	2.35	mg/Kg		03/14/19 10:03	03/15/19 15:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	99		50 - 150	03/14/19 10:03	03/15/19 15:33	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	2.49	mg/Kg		03/18/19 11:07	03/19/19 20:37	1
MRO (C28-C35)	3.27	J	4.99	2.49	mg/Kg		03/18/19 11:07	03/20/19 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	110		50 - 150	03/18/19 11:07	03/19/19 20:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND	F1	10.1	7.04	mg/Kg			03/21/19 06:00	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - East @ 4' bgs

Lab Sample ID: 490-170022-25

Date Collected: 03/11/19 12:17

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00190	0.000636	mg/Kg		03/14/19 10:03	03/16/19 05:03	1
Ethylbenzene	ND		0.00190	0.000636	mg/Kg		03/14/19 10:03	03/16/19 05:03	1
Toluene	ND		0.00190	0.000702	mg/Kg		03/14/19 10:03	03/16/19 05:03	1
Xylenes, Total	ND		0.00569	0.00117	mg/Kg		03/14/19 10:03	03/16/19 05:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		70 - 130	03/14/19 10:03	03/16/19 05:03	1
4-Bromofluorobenzene (Surr)	106		70 - 130	03/14/19 10:03	03/16/19 05:03	1
Dibromofluoromethane (Surr)	100		70 - 130	03/14/19 10:03	03/16/19 05:03	1
Toluene-d8 (Surr)	108		70 - 130	03/14/19 10:03	03/16/19 05:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.56	2.28	mg/Kg		03/14/19 10:03	03/15/19 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	83		50 - 150	03/14/19 10:03	03/15/19 16:07	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		4.98	2.49	mg/Kg		03/18/19 11:07	03/19/19 20:55	1
MRO (C28-C35)	3.26	J	4.98	2.49	mg/Kg		03/18/19 11:07	03/20/19 17:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	112		50 - 150	03/18/19 11:07	03/19/19 20:55	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10.1	7.07	mg/Kg			03/21/19 06:23	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - East @ 8' bgs

Lab Sample ID: 490-170022-26

Date Collected: 03/11/19 12:45

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00188	0.000631	mg/Kg		03/14/19 10:03	03/16/19 05:32	1
Ethylbenzene	ND		0.00188	0.000631	mg/Kg		03/14/19 10:03	03/16/19 05:32	1
Toluene	ND		0.00188	0.000697	mg/Kg		03/14/19 10:03	03/16/19 05:32	1
Xylenes, Total	ND		0.00565	0.00116	mg/Kg		03/14/19 10:03	03/16/19 05:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		70 - 130	03/14/19 10:03	03/16/19 05:32	1
4-Bromofluorobenzene (Surr)	108		70 - 130	03/14/19 10:03	03/16/19 05:32	1
Dibromofluoromethane (Surr)	95		70 - 130	03/14/19 10:03	03/16/19 05:32	1
Toluene-d8 (Surr)	107		70 - 130	03/14/19 10:03	03/16/19 05:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.73	2.37	mg/Kg		03/14/19 10:03	03/15/19 16:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	85		50 - 150	03/14/19 10:03	03/15/19 16:41	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	2.47	mg/Kg		03/18/19 11:07	03/19/19 21:12	1
MRO (C28-C35)	4.23	J	4.95	2.47	mg/Kg		03/18/19 11:07	03/20/19 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	109		50 - 150	03/18/19 11:07	03/19/19 21:12	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10.1	7.10	mg/Kg			03/21/19 06:35	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - South @ 0-1' bgs

Lab Sample ID: 490-170022-27

Date Collected: 03/11/19 12:58

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00181	0.000606	mg/Kg		03/14/19 10:03	03/16/19 06:00	1
Ethylbenzene	ND		0.00181	0.000606	mg/Kg		03/14/19 10:03	03/16/19 06:00	1
Toluene	ND		0.00181	0.000669	mg/Kg		03/14/19 10:03	03/16/19 06:00	1
Xylenes, Total	ND		0.00542	0.00111	mg/Kg		03/14/19 10:03	03/16/19 06:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		70 - 130	03/14/19 10:03	03/16/19 06:00	1
4-Bromofluorobenzene (Surr)	110		70 - 130	03/14/19 10:03	03/16/19 06:00	1
Dibromofluoromethane (Surr)	102		70 - 130	03/14/19 10:03	03/16/19 06:00	1
Toluene-d8 (Surr)	106		70 - 130	03/14/19 10:03	03/16/19 06:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.83	2.41	mg/Kg		03/14/19 10:03	03/15/19 17:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	80		50 - 150	03/14/19 10:03	03/15/19 17:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	8.36		4.99	2.50	mg/Kg		03/18/19 11:07	03/19/19 22:04	1
MRO (C28-C35)	17.6		4.99	2.50	mg/Kg		03/18/19 11:07	03/20/19 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	116		50 - 150	03/18/19 11:07	03/19/19 22:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		9.96	6.97	mg/Kg			03/21/19 06:46	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - South @ 2' bgs

Lab Sample ID: 490-170022-28

Date Collected: 03/11/19 13:01

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00189	0.000634	mg/Kg		03/14/19 10:03	03/16/19 06:28	1
Ethylbenzene	ND		0.00189	0.000634	mg/Kg		03/14/19 10:03	03/16/19 06:28	1
Toluene	ND		0.00189	0.000701	mg/Kg		03/14/19 10:03	03/16/19 06:28	1
Xylenes, Total	ND		0.00568	0.00116	mg/Kg		03/14/19 10:03	03/16/19 06:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		70 - 130	03/14/19 10:03	03/16/19 06:28	1
4-Bromofluorobenzene (Surr)	112		70 - 130	03/14/19 10:03	03/16/19 06:28	1
Dibromofluoromethane (Surr)	104		70 - 130	03/14/19 10:03	03/16/19 06:28	1
Toluene-d8 (Surr)	106		70 - 130	03/14/19 10:03	03/16/19 06:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.94	2.47	mg/Kg		03/14/19 10:03	03/15/19 17:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	81		50 - 150	03/14/19 10:03	03/15/19 17:48	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		4.96	2.48	mg/Kg		03/18/19 11:07	03/19/19 22:21	1
MRO (C28-C35)	3.17	J	4.96	2.48	mg/Kg		03/18/19 11:07	03/20/19 20:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	112		50 - 150	03/18/19 11:07	03/19/19 22:21	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			03/21/19 06:58	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - South @ 4' bgs

Lab Sample ID: 490-170022-29

Date Collected: 03/11/19 13:14

Matrix: Solid

Date Received: 03/13/19 10:25

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		03/14/19 10:03	03/16/19 06:57	1
Ethylbenzene	ND		0.00200	0.000669	mg/Kg		03/14/19 10:03	03/16/19 06:57	1
Toluene	ND		0.00200	0.000739	mg/Kg		03/14/19 10:03	03/16/19 06:57	1
Xylenes, Total	ND		0.00599	0.00123	mg/Kg		03/14/19 10:03	03/16/19 06:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		70 - 130	03/14/19 10:03	03/16/19 06:57	1
4-Bromofluorobenzene (Surr)	110		70 - 130	03/14/19 10:03	03/16/19 06:57	1
Dibromofluoromethane (Surr)	98		70 - 130	03/14/19 10:03	03/16/19 06:57	1
Toluene-d8 (Surr)	106		70 - 130	03/14/19 10:03	03/16/19 06:57	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		03/14/19 10:03	03/15/19 18:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	80		50 - 150	03/14/19 10:03	03/15/19 18:22	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	2.47	mg/Kg		03/18/19 11:07	03/19/19 22:39	1
MRO (C28-C35)	3.79	J	4.95	2.47	mg/Kg		03/18/19 11:07	03/20/19 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	107		50 - 150	03/18/19 11:07	03/19/19 22:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24.1		9.94	6.96	mg/Kg			03/21/19 07:09	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - South @ 6' bgs

Lab Sample ID: 490-170022-30

Date Collected: 03/11/19 13:29

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00197	0.000661	mg/Kg		03/14/19 10:03	03/16/19 07:25	1
Ethylbenzene	ND		0.00197	0.000661	mg/Kg		03/14/19 10:03	03/16/19 07:25	1
Toluene	ND		0.00197	0.000730	mg/Kg		03/14/19 10:03	03/16/19 07:25	1
Xylenes, Total	ND		0.00592	0.00121	mg/Kg		03/14/19 10:03	03/16/19 07:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		70 - 130	03/14/19 10:03	03/16/19 07:25	1
4-Bromofluorobenzene (Surr)	110		70 - 130	03/14/19 10:03	03/16/19 07:25	1
Dibromofluoromethane (Surr)	99		70 - 130	03/14/19 10:03	03/16/19 07:25	1
Toluene-d8 (Surr)	107		70 - 130	03/14/19 10:03	03/16/19 07:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.70	2.35	mg/Kg		03/14/19 10:03	03/15/19 18:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	78		50 - 150	03/14/19 10:03	03/15/19 18:55	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		5.00	2.50	mg/Kg		03/18/19 11:07	03/19/19 22:56	1
MRO (C28-C35)	4.68	J	5.00	2.50	mg/Kg		03/18/19 11:07	03/20/19 20:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	114		50 - 150	03/18/19 11:07	03/19/19 22:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.8		10.0	7.02	mg/Kg			03/21/19 07:21	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - West @ 0-1' bgs

Lab Sample ID: 490-170022-31

Date Collected: 03/11/19 13:39

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00189	0.000633	mg/Kg		03/14/19 10:03	03/16/19 07:53	1
Ethylbenzene	ND		0.00189	0.000633	mg/Kg		03/14/19 10:03	03/16/19 07:53	1
Toluene	ND		0.00189	0.000699	mg/Kg		03/14/19 10:03	03/16/19 07:53	1
Xylenes, Total	ND		0.00567	0.00116	mg/Kg		03/14/19 10:03	03/16/19 07:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		70 - 130	03/14/19 10:03	03/16/19 07:53	1
4-Bromofluorobenzene (Surr)	107		70 - 130	03/14/19 10:03	03/16/19 07:53	1
Dibromofluoromethane (Surr)	109		70 - 130	03/14/19 10:03	03/16/19 07:53	1
Toluene-d8 (Surr)	105		70 - 130	03/14/19 10:03	03/16/19 07:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.59	2.29	mg/Kg		03/14/19 10:03	03/15/19 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	79		50 - 150	03/14/19 10:03	03/15/19 19:29	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		03/18/19 11:07	03/19/19 23:13	1
MRO (C28-C35)	4.17	J	4.96	2.48	mg/Kg		03/18/19 11:07	03/20/19 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	99		50 - 150	03/18/19 11:07	03/19/19 23:13	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			03/21/19 07:33	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - West @ 2' bgs

Lab Sample ID: 490-170022-32

Date Collected: 03/11/19 13:41

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00189	0.000633	mg/Kg		03/14/19 10:03	03/16/19 08:22	1
Ethylbenzene	ND		0.00189	0.000633	mg/Kg		03/14/19 10:03	03/16/19 08:22	1
Toluene	ND		0.00189	0.000699	mg/Kg		03/14/19 10:03	03/16/19 08:22	1
Xylenes, Total	ND		0.00567	0.00116	mg/Kg		03/14/19 10:03	03/16/19 08:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		70 - 130	03/14/19 10:03	03/16/19 08:22	1
4-Bromofluorobenzene (Surr)	105		70 - 130	03/14/19 10:03	03/16/19 08:22	1
Dibromofluoromethane (Surr)	108		70 - 130	03/14/19 10:03	03/16/19 08:22	1
Toluene-d8 (Surr)	106		70 - 130	03/14/19 10:03	03/16/19 08:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.37	2.19	mg/Kg		03/14/19 10:03	03/15/19 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	81		50 - 150	03/14/19 10:03	03/15/19 20:03	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		5.00	2.50	mg/Kg		03/18/19 11:07	03/19/19 23:31	1
MRO (C28-C35)	5.19		5.00	2.50	mg/Kg		03/18/19 11:07	03/20/19 21:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	110		50 - 150	03/18/19 11:07	03/19/19 23:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		9.94	6.96	mg/Kg			03/21/19 07:44	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - West @ 4' bgs

Lab Sample ID: 490-170022-33

Date Collected: 03/11/19 13:56

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00190	0.000637	mg/Kg		03/14/19 10:03	03/16/19 08:50	1
Ethylbenzene	ND		0.00190	0.000637	mg/Kg		03/14/19 10:03	03/16/19 08:50	1
Toluene	ND		0.00190	0.000703	mg/Kg		03/14/19 10:03	03/16/19 08:50	1
Xylenes, Total	ND		0.00570	0.00117	mg/Kg		03/14/19 10:03	03/16/19 08:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		70 - 130	03/14/19 10:03	03/16/19 08:50	1
4-Bromofluorobenzene (Surr)	108		70 - 130	03/14/19 10:03	03/16/19 08:50	1
Dibromofluoromethane (Surr)	101		70 - 130	03/14/19 10:03	03/16/19 08:50	1
Toluene-d8 (Surr)	106		70 - 130	03/14/19 10:03	03/16/19 08:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.67	2.34	mg/Kg		03/14/19 10:03	03/15/19 20:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	83		50 - 150	03/14/19 10:03	03/15/19 20:36	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		5.00	2.50	mg/Kg		03/18/19 11:07	03/19/19 23:48	1
MRO (C28-C35)	3.20	J	5.00	2.50	mg/Kg		03/18/19 11:07	03/20/19 21:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	116		50 - 150	03/18/19 11:07	03/19/19 23:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7.05	J	9.97	6.98	mg/Kg			03/21/19 07:56	1

TestAmerica Nashville

Client Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - West @ 7' bgs

Lab Sample ID: 490-170022-34

Date Collected: 03/11/19 14:14

Matrix: Solid

Date Received: 03/13/19 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00194	0.000650	mg/Kg		03/14/19 10:03	03/16/19 09:18	1
Ethylbenzene	ND		0.00194	0.000650	mg/Kg		03/14/19 10:03	03/16/19 09:18	1
Toluene	ND		0.00194	0.000718	mg/Kg		03/14/19 10:03	03/16/19 09:18	1
Xylenes, Total	ND		0.00583	0.00119	mg/Kg		03/14/19 10:03	03/16/19 09:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		70 - 130	03/14/19 10:03	03/16/19 09:18	1
4-Bromofluorobenzene (Surr)	108		70 - 130	03/14/19 10:03	03/16/19 09:18	1
Dibromofluoromethane (Surr)	102		70 - 130	03/14/19 10:03	03/16/19 09:18	1
Toluene-d8 (Surr)	107		70 - 130	03/14/19 10:03	03/16/19 09:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		4.55	2.28	mg/Kg		03/14/19 10:03	03/15/19 21:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
a,a,a-Trifluorotoluene	84		50 - 150	03/14/19 10:03	03/15/19 21:10	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		03/18/19 11:46	03/19/19 16:02	1
MRO (C28-C35)	3.09	J	4.96	2.48	mg/Kg		03/18/19 11:46	03/19/19 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	87		50 - 150	03/18/19 11:46	03/19/19 16:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		10.1	7.04	mg/Kg			03/21/19 09:29	1

TestAmerica Nashville

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

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

Lab Sample ID: 490-170022-9 MS

Matrix: Solid

Analysis Batch: 580924

Client Sample ID: EX - Wall - East @ 2' bgs

Prep Type: Total/NA

Prep Batch: 580788

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0N00951	J	0N0479	0N04036		m. /8.		g2	21 - 150
EtKhlbenzene	0N0050g		0N0479	0N03390		m. /8.		60	10 - 150
Tolyene	0N0125		0N0479	0N0474g		m. /8.		73	17 - 150
XhlenesuTotal	0N022g		0N095g	0N0755g		m. /8.		55	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 130
4-/ ro9 o:luoro5en6ene (Surr)	100		70 - 130
Di5ro9 o:luoro9 ethane (Surr)	Bm		70 - 130
f oluene-db (Surr)	107		70 - 130

Lab Sample ID: 490-170022-9 MSD

Matrix: Solid

Analysis Batch: 580924

Client Sample ID: EX - Wall - East @ 2' bgs

Prep Type: Total/NA

Prep Batch: 580788

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0N00951	J	0N04g0	0N03935		m. /8.		g0	21 - 150	3	50
EtKhlbenzene	0N0050g		0N04g0	0N04355		m. /8.		g0	10 - 150	25	50
Tolyene	0N0125		0N04g0	0N05190		m. /8.		g2	17 - 150	9	50
XhlenesuTotal	0N022g		0N0960	0N012		m. /8.		g2	10 - 150	29	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		70 - 130
4-/ ro9 o:luoro5en6ene (Surr)	100		70 - 130
Di5ro9 o:luoro9 ethane (Surr)	Bm		70 - 130
f oluene-db (Surr)	107		70 - 130

Lab Sample ID: 490-170022-20 MS

Matrix: Solid

Analysis Batch: 581140

Client Sample ID: HDP - North @ 2' bgs

Prep Type: Total/NA

Prep Batch: 580788

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	, D		0N0466	0N0396g		m. /8.		g5	21 - 150
EtKhlbenzene	, D		0N0466	0N04123		m. /8.		gg	10 - 150
Tolyene	, D		0N0466	0N04130		m. /8.		g9	17 - 150
XhlenesuTotal	, D		0N0933	0N0g127		m. /8.		g7	10 - 150

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	10B		70 - 130
4-/ ro9 o:luoro5en6ene (Surr)	102		70 - 130
Di5ro9 o:luoro9 ethane (Surr)	B7		70 - 130
f oluene-db (Surr)	107		70 - 130

TestAmerica, askville

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

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

Lab Sample ID: 490-170022-20 MSD

Matrix: Solid

Analysis Batch: 581140

Client Sample ID: HDP - North @ 2' bgs

Prep Type: Total/NA

Prep Batch: 580788

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	, D		0N04g5	0N04113		m. /8.		g5	21 - 150	4	50
EtKhlbenzene	, D		0N04g5	0N042g2		m. /8.		gg	10 - 150	4	50
Tolyene	, D		0N04g5	0N04273		m. /8.		gg	17 - 150	3	50
XhlenesuTotal	, D		0N0971	0N0g522		m. /8.		gg	10 - 150	5	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	10B		70 - 130
4-/ ro9 o:luoro5en6ene (Surr)	103		70 - 130
Di5ro9 o:luoro9 ethane (Surr)	Bb		70 - 130
f oluene-db (Surr)	107		70 - 130

Lab Sample ID: 490-170108-B-2-D MS

Matrix: Solid

Analysis Batch: 581312

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 580823

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0N0117	J	0N0426	0N03362		m. /8.		76	21 - 150		
EtKhlbenzene	, D		0N0426	0N03057		m. /8.		72	10 - 150		
Tolyene	0N0261		0N0426	0N03766		m. /8.		g2	17 - 150		
XhlenesuTotal	0N0265	J	0N0g52	0N06337		m. /8.		71	10 - 150		

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	11b		70 - 130
4-/ ro9 o:luoro5en6ene (Surr)	117		70 - 130
Di5ro9 o:luoro9 ethane (Surr)	10z		70 - 130
f oluene-db (Surr)	110		70 - 130

Lab Sample ID: 490-170108-B-2-E MSD

Matrix: Solid

Analysis Batch: 581312

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 580823

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Benzene	0N0117	J	0N0424	0N0339g		m. /8.		77	21 - 150	1	50
EtKhlbenzene	, D		0N0424	0N03132		m. /8.		74	10 - 150	2	50
Tolyene	0N0261		0N0424	0N03757		m. /8.		g2	17 - 150	0	50
XhlenesuTotal	0N0265	J	0N0g49	0N0653g		m. /8.		74	10 - 150	3	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	11B		70 - 130
4-/ ro9 o:luoro5en6ene (Surr)	117		70 - 130
Di5ro9 o:luoro9 ethane (Surr)	10z		70 - 130
f oluene-db (Surr)	10B		70 - 130

TestAmerica, askville

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

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

Lab Sample ID: MB 490-580924/7

Matrix: Solid

Analysis Batch: 580924

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	, D		0.00200	0.000670	m. /8.			03/14/19 16:03	1
EtHlbenzene	, D		0.00200	0.000670	m. /8.			03/14/19 16:03	1
Tolyene	, D		0.00200	0.000740	m. /8.			03/14/19 16:03	1
XhlenesuTotal	, D		0.00600	0.00123	m. /8.			03/14/19 16:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 130		03/14/19 16:03	1
4-/ ro9 o:luoro5en6ene (Surr)	101		70 - 130		03/14/19 16:03	1
Di5ro9 o:luoro9 ethane (Surr)	Bz		70 - 130		03/14/19 16:03	1
f oluene-db (Surr)	107		70 - 130		03/14/19 16:03	1

Lab Sample ID: LCS 490-580924/3

Matrix: Solid

Analysis Batch: 580924

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.00500	0.004979		m. /8.		100	70 - 130
EtHlbenzene	0.00500	0.0050g9		m. /8.		102	70 - 130
Tolyene	0.00500	0.005060		m. /8.		101	70 - 130
XhlenesuTotal	0.0000	0.00035		m. /8.		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	10m		70 - 130
4-/ ro9 o:luoro5en6ene (Surr)	102		70 - 130
Di5ro9 o:luoro9 ethane (Surr)	Bm		70 - 130
f oluene-db (Surr)	10z		70 - 130

Lab Sample ID: LCSD 490-580924/4

Matrix: Solid

Analysis Batch: 580924

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	0.00500	0.004959		m. /8.		99	70 - 130	0	37
EtHlbenzene	0.00500	0.0049g9		m. /8.		100	70 - 130	2	3g
Tolyene	0.00500	0.0049g2		m. /8.		100	70 - 130	2	40
XhlenesuTotal	0.0000	0.00016		m. /8.		102	70 - 130	2	3g

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 130
4-/ ro9 o:luoro5en6ene (Surr)	102		70 - 130
Di5ro9 o:luoro9 ethane (Surr)	Bb		70 - 130
f oluene-db (Surr)	10z		70 - 130

TestAmerica, askville

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

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

Lab Sample ID: MB 490-581140/6

Matrix: Solid

Analysis Batch: 581140

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	, D		000200	0000670	m. /8.			03/15/19 13:10	1
EtKhlbenzene	, D		000200	0000670	m. /8.			03/15/19 13:10	1
Tolyene	, D		000200	0000740	m. /8.			03/15/19 13:10	1
XhlenesuTotal	, D		000600	000123	m. /8.			03/15/19 13:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	10b		70 - 130		03/15/19 13:10	1
4-/ ro9 o:luoro5en6ene (Surr)	B7		70 - 130		03/15/19 13:10	1
Di5ro9 o:luoro9 ethane (Surr)	Bz		70 - 130		03/15/19 13:10	1
f oluene-db (Surr)	107		70 - 130		03/15/19 13:10	1

Lab Sample ID: LCS 490-581140/3

Matrix: Solid

Analysis Batch: 581140

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	00500	005051		m. /8.		101	70 - 130
EtKhlbenzene	00500	005295		m. /8.		106	70 - 130
Tolyene	00500	005327		m. /8.		107	70 - 130
XhlenesuTotal	0000	000g3		m. /8.		10g	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	10b		70 - 130
4-/ ro9 o:luoro5en6ene (Surr)	Bb		70 - 130
Di5ro9 o:luoro9 ethane (Surr)	Bm		70 - 130
f oluene-db (Surr)	10b		70 - 130

Lab Sample ID: LCSD 490-581140/4

Matrix: Solid

Analysis Batch: 581140

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	00500	0050g1		m. /8.		102	70 - 130	1	37
EtKhlbenzene	00500	005301		m. /8.		106	70 - 130	0	3g
Tolyene	00500	005371		m. /8.		107	70 - 130	1	40
XhlenesuTotal	0000	000g0		m. /8.		10g	70 - 130	0	3g

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	107		70 - 130
4-/ ro9 o:luoro5en6ene (Surr)	B7		70 - 130
Di5ro9 o:luoro9 ethane (Surr)	Bm		70 - 130
f oluene-db (Surr)	10b		70 - 130

TestAmerica, askville

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

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

Lab Sample ID: MB 490-581312/7

Matrix: Solid

Analysis Batch: 581312

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	, D		0.00200	0.000670	m. /8.			03/16/19 02:42	1
Ethylbenzene	, D		0.00200	0.000670	m. /8.			03/16/19 02:42	1
Toluene	, D		0.00200	0.000740	m. /8.			03/16/19 02:42	1
XylenesTotal	, D		0.00600	0.00123	m. /8.			03/16/19 02:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		70 - 130		03/16/19 02:42	1
4-/ ro9 o:luoro5en6ene (Surr)	107		70 - 130		03/16/19 02:42	1
Di5ro9 o:luoro9 ethane (Surr)	B7		70 - 130		03/16/19 02:42	1
f oluene-db (Surr)	10b		70 - 130		03/16/19 02:42	1

Lab Sample ID: LCS 490-581312/3

Matrix: Solid

Analysis Batch: 581312

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.00500	0.004250		m. /8.		g5	70 - 130
Ethylbenzene	0.00500	0.004302		m. /8.		g6	70 - 130
Toluene	0.00500	0.00461g		m. /8.		92	70 - 130
XylenesTotal	0.000	0.00956		m. /8.		90	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	113		70 - 130
4-/ ro9 o:luoro5en6ene (Surr)	102		70 - 130
Di5ro9 o:luoro9 ethane (Surr)	BB		70 - 130
f oluene-db (Surr)	107		70 - 130

Lab Sample ID: LCSD 490-581312/4

Matrix: Solid

Analysis Batch: 581312

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	0.00500	0.004356		m. /8.		g7	70 - 130	2	37
Ethylbenzene	0.00500	0.004352		m. /8.		g7	70 - 130	1	3g
Toluene	0.00500	0.004675		m. /8.		93	70 - 130	1	40
XylenesTotal	0.000	0.009046		m. /8.		90	70 - 130	1	3g

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	11m		70 - 130
4-/ ro9 o:luoro5en6ene (Surr)	10m		70 - 130
Di5ro9 o:luoro9 ethane (Surr)	102		70 - 130
f oluene-db (Surr)	10m		70 - 130

TestAmerica, askville

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

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

Lab Sample ID: MB 490-580786/1-A

Matrix: Solid

Analysis Batch: 581519

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 580786

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Ran. e Or. anics [C6 - C10]	, D		5100	2160	m. /8.		03/14/19 07:32	03/19/19 13:04	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-f ri:luorotoluene	b2		z0 - 1z0				03/14/19 07:32	03/19/19 13:04	1

Lab Sample ID: LCS 490-580786/2-A

Matrix: Solid

Analysis Batch: 581519

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 580786

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Ran. e Or. anics [C6 - C10]	500	5100		m. /8.		102	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
a,a,a-f ri:luorotoluene	101		z0 - 1z0				

Lab Sample ID: LCSD 490-580786/3-A

Matrix: Solid

Analysis Batch: 581519

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 580786

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Ran. e Or. anics [C6 - C10]	500	49312		m. /8.		99	70 - 130	3	21
Surrogate	%Recovery	LCSD Qualifier	Limits						
a,a,a-f ri:luorotoluene	101		z0 - 1z0						

Lab Sample ID: 490-170022-20 MS

Matrix: Solid

Analysis Batch: 581519

Client Sample ID: HDP - North @ 2' bgs

Prep Type: Total/NA

Prep Batch: 580786

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Ran. e Or. anics [C6 - C10]	, D	d1	496	2g1M		m. /8.		57	56 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
a,a,a-f ri:luorotoluene	bB		z0 - 1z0						

Lab Sample ID: 490-170022-20 MSD

Matrix: Solid

Analysis Batch: 581519

Client Sample ID: HDP - North @ 2' bgs

Prep Type: Total/NA

Prep Batch: 580786

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Ran. e Or. anics [C6 - C10]	, D	d1	496	24g10	d1	m. /8.		50	56 - 130	13	21

TestAmerica, askville

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

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

Lab Sample ID: 490-170022-20 MSD

Matrix: Solid

Analysis Batch: 581519

Client Sample ID: HDP - North @ 2' bgs

Prep Type: Total/NA

Prep Batch: 580786

Surrogate	MSD %Recovery	MSD Qualifier	Limits
a,a,a-f ri:luorotoluene	bz		z0 - 1z0

Lab Sample ID: MB 490-580821/1-A

Matrix: Solid

Analysis Batch: 581103

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 580821

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Ran. e Or. anics [C6 - C10]	, D		500	250	m. /8.		03/14/19 09:59	03/15/19 13:1g	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
a,a,a-f ri:luorotoluene	b3		z0 - 1z0				03/14/19 09:59	03/15/19 13:1g	1

Lab Sample ID: LCS 490-580821/2-A

Matrix: Solid

Analysis Batch: 581103

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 580821

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Ran. e Or. anics [C6 - C10]	500	552		m. /8.		111	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
a,a,a-f ri:luorotoluene	104		z0 - 1z0				

Lab Sample ID: LCSD 490-580821/3-A

Matrix: Solid

Analysis Batch: 581103

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 580821

			Spike	LCSD	LCSD				%Rec.	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Ran. e Or. anics [C6 - C10]			500	52g	1	m. /8.		106	70 - 130	5	21
			LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits								
a,a,a-f ri:luorotoluene	104		z0 - 1z0								

Lab Sample ID: 490-170022-34 MS

Matrix: Solid

Analysis Batch: 581103

Client Sample ID: HDP - West @ 7' bgs

Prep Type: Total/NA

Prep Batch: 580821

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Ran. e Or. anics [C6 - C10]	, D		455	392		m. /8.		g6	56 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
a.a.a-f ri:luorotoluene	B7		z0 - 1z0								

TestAmerica, askVille

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

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

Lab Sample ID: 490-170022-34 MSD

Matrix: Solid

Analysis Batch: 581103

Client Sample ID: HDP - West @ 7' bgs

Prep Type: Total/NA

Prep Batch: 580821

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Ran. e Or. anics [C6 - C10]	, D		455	356	N4	m. /8.		7g	56 - 130	10	21
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
a,a,a-f tri:luorotoluene	B3		z0 - 1z0								

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

Lab Sample ID: MB 490-581596/1-A

Matrix: Solid

Analysis Batch: 581871

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 581596

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diesel Ran. e Or. anics [C10-C2g]	, D		5100	2150	m. /8.		03/1g/19 10:59	03/19/19 23:13	1
MRO (C2g-C35)	, D		5100	2150	m. /8.		03/1g/19 10:59	03/19/19 23:13	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
o-f erphenyl (Surr)	bB		z0 - 1z0	03/11b/19 10:59	03/11B/19 23:13	1			

Lab Sample ID: LCS 490-581596/2-A

Matrix: Solid

Analysis Batch: 581871

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 581596

			Spike	LCS	LCS				%Rec.		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Diesel Ran. e Or. anics [C10-C2g]			4010	3610		m. /8.		91	54 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits								
o-f erphenyl (Surr)	B2		z0 - 1z0								

Lab Sample ID: LCSD 490-581596/25-A

Matrix: Solid

Analysis Batch: 581871

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 581596

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec.	RPD	RPD
			Added	Result	Qualifier				Limits		Limit
Diesel Ran. e Or. anics [C10-C2g]			4010	3910		m. /8.		100	54 - 130	g	47
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
o-f erphenyl (Surr)	104		z0 - 1z0								

Lab Sample ID: 490-170022-13 MS

Matrix: Solid

Analysis Batch: 581871

Client Sample ID: EX - Wall - South @ 0-1' bgs

Prep Type: Total/NA

Prep Batch: 581596

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Ran. e Or. anics [C10-C2g]	, D		3910	3610		m. /8.		92	10 - 142		

TestAmerica, askville

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Surrogate	MS %Recovery	MS Qualifier	Limits
<i>o-f erphenyl (Surr)</i>	<i>Bz</i>		<i>z0 - 1z0</i>

Lab Sample ID: 490-170022-13 MSD

Matrix: Solid

Analysis Batch: 581871

Client Sample ID: EX - Wall - South @ 0-1' bgs

Prep Type: Total/NA

Prep Batch: 581596

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Ran. e Or. anics [C10-C2g]	, D		3919	30197		m. /8.		7g	10 - 142	16	47
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
<i>o-f erphenyl (Surr)</i>	<i>b1</i>		<i>z0 - 1z0</i>								

Lab Sample ID: MB 490-581599/1-A

Matrix: Solid

Analysis Batch: 581950

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 581599

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Ran. e Or. anics [C10-C2g]	, D		5100	2150	m. /8.		03/1g/19 11:07	03/19/19 17:03	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
<i>o-f erphenyl (Surr)</i>	<i>11b</i>		<i>z0 - 1z0</i>				03/1b/19 11:07	03/19/19 17:03	1

Lab Sample ID: MB 490-581599/1-A

Matrix: Solid

Analysis Batch: 582119

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 581599

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
MRO (C2g-C35)	, D		5100	2150	m. /8.		03/1g/19 11:07	03/20/19 14:11	1

Lab Sample ID: LCS 490-581599/2-A

Matrix: Solid

Analysis Batch: 581950

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 581599

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Ran. e Or. anics [C10-C2g]	4010	36194		m. /8.		92	54 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
<i>o-f erphenyl (Surr)</i>	<i>111</i>		<i>z0 - 1z0</i>						

Lab Sample ID: LCSD 490-581599/25-A

Matrix: Solid

Analysis Batch: 581950

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 581599

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Ran. e Or. anics [C10-C2g]	4010	40156		m. /8.		101	54 - 130	9	47
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
<i>o-f erphenyl (Surr)</i>	<i>124</i>		<i>z0 - 1z0</i>						

TestAmerica , askVille

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

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

Lab Sample ID: 490-170022-33 MS

Matrix: Solid

Analysis Batch: 581950

Client Sample ID: HDP - West @ 4' bgs

Prep Type: Total/NA

Prep Batch: 581599

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Ran. e Or. anics [C10-C2g]	, D		39ng	36ng	2	m. /8.		92	10 - 142
Surrogate	%Recovery	MS Qualifier	Limits						
o-f erphenyl (Surr)	108		z0 - 1z0						

Lab Sample ID: 490-170022-33 MSD

Matrix: Solid

Analysis Batch: 581950

Client Sample ID: HDP - West @ 4' bgs

Prep Type: Total/NA

Prep Batch: 581599

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Ran. e Or. anics [C10-C2g]	, D		39ng	35ng	7	m. /8.		90	10 - 142	4	47
Surrogate	%Recovery	MSD Qualifier	Limits								
o-f erphenyl (Surr)	11m		z0 - 1z0								

Lab Sample ID: MB 490-581615/1-A

Matrix: Solid

Analysis Batch: 581871

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 581615

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Ran. e Or. anics [C10-C2g]	, D		500	250	m. /8.		03/1g/19 11:46	03/19/19 15:09	1
MRO (C2g-C35)	, D		500	250	m. /8.		03/1g/19 11:46	03/19/19 15:09	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
o-f erphenyl (Surr)	10b		z0 - 1z0				03/1b/19 11:46m	03/19/19 15:09B	1

Lab Sample ID: LCS 490-581615/2-A

Matrix: Solid

Analysis Batch: 581871

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 581615

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Ran. e Or. anics [C10-C2g]	40ng	37ng	9	m. /8.		95	54 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
o-f erphenyl (Surr)	102		z0 - 1z0				

Lab Sample ID: LCSD 490-581615/3-A

Matrix: Solid

Analysis Batch: 581871

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 581615

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Ran. e Or. anics [C10-C2g]	40ng	35ng	4	m. /8.		99	54 - 130	6	47

TestAmerica, askville

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

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

Lab Sample ID: LCSD 490-581615/3-A

Matrix: Solid

Analysis Batch: 581871

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 581615

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-f erphenyl (Surr)	bB		z0 - 1z0

Lab Sample ID: 490-170022-34 MS

Matrix: Solid

Analysis Batch: 581871

Client Sample ID: HDP - West @ 7' bgs

Prep Type: Total/NA

Prep Batch: 581615

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Ran. e Or. anics [C10-C2g]	, D		39N	33N3		m. /8.		g5	10 - 142		
Surrogate	MS %Recovery	MS Qualifier	Limits								
o-f erphenyl (Surr)	bz		z0 - 1z0								

Lab Sample ID: 490-170022-34 MSD

Matrix: Solid

Analysis Batch: 581871

Client Sample ID: HDP - West @ 7' bgs

Prep Type: Total/NA

Prep Batch: 581615

Top Bottom Section											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limits
Diesel Ran. e Or. anics [C10-C2g]	, D		39N	3gN0		m. /8.		97	10 - 142	13	47
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
o-f erphenyl (Surr)	B7		z0 - 1z0								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 490-582187/1-A

Matrix: Solid

Analysis Batch: 582356

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
CKloriFe	, D		9N3	6N5	m. /8.			03/20/19 20:55	1

Lab Sample ID: LCS 490-582187/2-A

Matrix: Solid

Analysis Batch: 582356

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
CKloriFe	9gN	9gN4		m. /8.		100	90 - 110

Lab Sample ID: LCSD 490-582187/3-A

Matrix: Solid

Analysis Batch: 582356

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
CKloriFe	9gN	106N		m. /8.		10g	90 - 110	7	20

TestAmerica, askville

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 490-170022-4 MS

Matrix: Solid

Analysis Batch: 582365

Client Sample ID: BG @ 8' bgs

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
CKloriFe	, D		101	100		m. /8.		100	g0 - 120

Lab Sample ID: MB 490-582189/1-A

Matrix: Solid

Analysis Batch: 582365

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
CKloriFe	, D		100	703	m. /8.			03/21/19 02:54	1

Lab Sample ID: LCS 490-582189/2-A

Matrix: Solid

Analysis Batch: 582365

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
CKloriFe	99	99	1	m. /8.		101	90 - 110

Lab Sample ID: LCSD 490-582189/3-A

Matrix: Solid

Analysis Batch: 582365

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
CKloriFe	101	100		m. /8.		99	90 - 110	0	20

Lab Sample ID: 490-170022-14 MS

Matrix: Solid

Analysis Batch: 582365

Client Sample ID: EX - Wall - West @ 4' bgs

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
CKloriFe	, D		101	102		m. /8.		102	g0 - 120

Lab Sample ID: 490-170022-24 MS

Matrix: Solid

Analysis Batch: 582365

Client Sample ID: HDP - East @ 2' bgs

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
CKloriFe	, D	d1	99	149	d1	m. /8.		151	g0 - 120

Lab Sample ID: MB 490-582192/1-A

Matrix: Solid

Analysis Batch: 582401

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
CKloriFe	, D		903	605	m. /8.			03/21/19 0g:54	1

Lab Sample ID: LCS 490-582192/2-A

Matrix: Solid

Analysis Batch: 582401

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
CKloriFe	99	99	7	m. /8.		100	90 - 110

TestAmerica , askville

QC Sample Results

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Lab Sample ID: LCSD 490-582192/3-A
Matrix: Solid
Analysis Batch: 582401

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
CKloriFe	99N	100N		m. /8.		101	90 - 110	1	20

Lab Sample ID: 490-170022-34 MS
Matrix: Solid
Analysis Batch: 582401

Client Sample ID: HDP - West @ 7' bgs
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
CKloriFe	, D		99N	103N		m. /8.		105	g0 - 120		

QC Association Summary

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

GC/MS VOA

Prep Batch: 580788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-1	BG @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-2	BG @ 2' bgs	Total/NA	Solid	5030B	
490-170022-3	BG @ 4' bgs	Total/NA	Solid	5030B	
490-170022-4	BG @ 8' bgs	Total/NA	Solid	5030B	
490-170022-5	EX - Wall - North @ 4' bgs	Total/NA	Solid	5030B	
490-170022-6	EX - Wall - North @ 2' bgs	Total/NA	Solid	5030B	
490-170022-7	EX - Wall - North @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-8	EX - Wall - East @ 4' bgs	Total/NA	Solid	5030B	
490-170022-9	EX - Wall - East @ 2' bgs	Total/NA	Solid	5030B	
490-170022-10	EX - Wall - East @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-11	EX - Wall - South @ 4' bgs	Total/NA	Solid	5030B	
490-170022-12	EX - Wall - South @ 2' bgs	Total/NA	Solid	5030B	
490-170022-13	EX - Wall - South @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-14	EX - Wall - West @ 4' bgs	Total/NA	Solid	5030B	
490-170022-15	EX - Wall - West @ 2' bgs	Total/NA	Solid	5030B	
490-170022-16	EX - Wall - West @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-17	EX - Floor @ 4' bgs	Total/NA	Solid	5030B	
490-170022-18	EX - Floor @ 8' bgs	Total/NA	Solid	5030B	
490-170022-19	HDP - North @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-20	HDP - North @ 2' bgs	Total/NA	Solid	5030B	
490-170022-9 MS	EX - Wall - East @ 2' bgs	Total/NA	Solid	5030B	
490-170022-9 MSD	EX - Wall - East @ 2' bgs	Total/NA	Solid	5030B	
490-170022-20 MS	HDP - North @ 2' bgs	Total/NA	Solid	5030B	
490-170022-20 MSD	HDP - North @ 2' bgs	Total/NA	Solid	5030B	

Prep Batch: 580823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-21	HDP - North @ 4' bgs	Total/NA	Solid	5030B	
490-170022-22	HDP - North @ 7' 6" bgs	Total/NA	Solid	5030B	
490-170022-23	HDP - East @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-24	HDP - East @ 2' bgs	Total/NA	Solid	5030B	
490-170022-25	HDP - East @ 4' bgs	Total/NA	Solid	5030B	
490-170022-26	HDP - East @ 8' bgs	Total/NA	Solid	5030B	
490-170022-27	HDP - South @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-28	HDP - South @ 2' bgs	Total/NA	Solid	5030B	
490-170022-29	HDP - South @ 4' bgs	Total/NA	Solid	5030B	
490-170022-30	HDP - South @ 6' bgs	Total/NA	Solid	5030B	
490-170022-31	HDP - West @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-32	HDP - West @ 2' bgs	Total/NA	Solid	5030B	
490-170022-33	HDP - West @ 4' bgs	Total/NA	Solid	5030B	
490-170022-34	HDP - West @ 7' bgs	Total/NA	Solid	5030B	
490-170108-B-2-D MS	Matrix Spike	Total/NA	Solid	5030B	
490-170108-B-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5030B	

Analysis Batch: 580924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-1	BG @ 0-1' bgs	Total/NA	Solid	8260B	580788
490-170022-2	BG @ 2' bgs	Total/NA	Solid	8260B	580788
490-170022-3	BG @ 4' bgs	Total/NA	Solid	8260B	580788
490-170022-4	BG @ 8' bgs	Total/NA	Solid	8260B	580788
490-170022-5	EX - Wall - North @ 4' bgs	Total/NA	Solid	8260B	580788

TestAmerica Nashville

QC Association Summary

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

GC/MS VOA (Continued)

Analysis Batch: 580924 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-6	EX - Wall - North @ 2' bgs	Total/NA	Solid	8260B	580788
490-170022-7	EX - Wall - North @ 0-1' bgs	Total/NA	Solid	8260B	580788
490-170022-8	EX - Wall - East @ 4' bgs	Total/NA	Solid	8260B	580788
490-170022-9	EX - Wall - East @ 2' bgs	Total/NA	Solid	8260B	580788
490-170022-10	EX - Wall - East @ 0-1' bgs	Total/NA	Solid	8260B	580788
490-170022-11	EX - Wall - South @ 4' bgs	Total/NA	Solid	8260B	580788
490-170022-12	EX - Wall - South @ 2' bgs	Total/NA	Solid	8260B	580788
490-170022-13	EX - Wall - South @ 0-1' bgs	Total/NA	Solid	8260B	580788
490-170022-14	EX - Wall - West @ 4' bgs	Total/NA	Solid	8260B	580788
490-170022-15	EX - Wall - West @ 2' bgs	Total/NA	Solid	8260B	580788
490-170022-16	EX - Wall - West @ 0-1' bgs	Total/NA	Solid	8260B	580788
MB 490-580924/7	Method Blank	Total/NA	Solid	8260B	
LCS 490-580924/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-580924/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
490-170022-9 MS	EX - Wall - East @ 2' bgs	Total/NA	Solid	8260B	580788
490-170022-9 MSD	EX - Wall - East @ 2' bgs	Total/NA	Solid	8260B	580788

Analysis Batch: 581140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-17	EX - Floor @ 4' bgs	Total/NA	Solid	8260B	580788
490-170022-18	EX - Floor @ 8' bgs	Total/NA	Solid	8260B	580788
490-170022-19	HDP - North @ 0-1' bgs	Total/NA	Solid	8260B	580788
490-170022-20	HDP - North @ 2' bgs	Total/NA	Solid	8260B	580788
MB 490-581140/6	Method Blank	Total/NA	Solid	8260B	
LCS 490-581140/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-581140/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
490-170022-20 MS	HDP - North @ 2' bgs	Total/NA	Solid	8260B	580788
490-170022-20 MSD	HDP - North @ 2' bgs	Total/NA	Solid	8260B	580788

Analysis Batch: 581312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-21	HDP - North @ 4' bgs	Total/NA	Solid	8260B	580823
490-170022-22	HDP - North @ 7' 6" bgs	Total/NA	Solid	8260B	580823
490-170022-23	HDP - East @ 0-1' bgs	Total/NA	Solid	8260B	580823
490-170022-24	HDP - East @ 2' bgs	Total/NA	Solid	8260B	580823
490-170022-25	HDP - East @ 4' bgs	Total/NA	Solid	8260B	580823
490-170022-26	HDP - East @ 8' bgs	Total/NA	Solid	8260B	580823
490-170022-27	HDP - South @ 0-1' bgs	Total/NA	Solid	8260B	580823
490-170022-28	HDP - South @ 2' bgs	Total/NA	Solid	8260B	580823
490-170022-29	HDP - South @ 4' bgs	Total/NA	Solid	8260B	580823
490-170022-30	HDP - South @ 6' bgs	Total/NA	Solid	8260B	580823
490-170022-31	HDP - West @ 0-1' bgs	Total/NA	Solid	8260B	580823
490-170022-32	HDP - West @ 2' bgs	Total/NA	Solid	8260B	580823
490-170022-33	HDP - West @ 4' bgs	Total/NA	Solid	8260B	580823
490-170022-34	HDP - West @ 7' bgs	Total/NA	Solid	8260B	580823
MB 490-581312/7	Method Blank	Total/NA	Solid	8260B	
LCS 490-581312/3	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 490-581312/4	Lab Control Sample Dup	Total/NA	Solid	8260B	
490-170108-B-2-D MS	Matrix Spike	Total/NA	Solid	8260B	580823
490-170108-B-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8260B	580823

TestAmerica Nashville

QC Association Summary

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

GC VOA

Prep Batch: 580786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-1	BG @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-2	BG @ 2' bgs	Total/NA	Solid	5030B	
490-170022-3	BG @ 4' bgs	Total/NA	Solid	5030B	
490-170022-4	BG @ 8' bgs	Total/NA	Solid	5030B	
490-170022-5	EX - Wall - North @ 4' bgs	Total/NA	Solid	5030B	
490-170022-6	EX - Wall - North @ 2' bgs	Total/NA	Solid	5030B	
490-170022-7	EX - Wall - North @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-8	EX - Wall - East @ 4' bgs	Total/NA	Solid	5030B	
490-170022-9	EX - Wall - East @ 2' bgs	Total/NA	Solid	5030B	
490-170022-10	EX - Wall - East @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-11	EX - Wall - South @ 4' bgs	Total/NA	Solid	5030B	
490-170022-12	EX - Wall - South @ 2' bgs	Total/NA	Solid	5030B	
490-170022-13	EX - Wall - South @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-14	EX - Wall - West @ 4' bgs	Total/NA	Solid	5030B	
490-170022-15	EX - Wall - West @ 2' bgs	Total/NA	Solid	5030B	
490-170022-16	EX - Wall - West @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-17	EX - Floor @ 4' bgs	Total/NA	Solid	5030B	
490-170022-18	EX - Floor @ 8' bgs	Total/NA	Solid	5030B	
490-170022-19	HDP - North @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-20	HDP - North @ 2' bgs	Total/NA	Solid	5030B	
MB 490-580786/1-A	Method Blank	Total/NA	Solid	5030B	
LCS 490-580786/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 490-580786/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
490-170022-20 MS	HDP - North @ 2' bgs	Total/NA	Solid	5030B	
490-170022-20 MSD	HDP - North @ 2' bgs	Total/NA	Solid	5030B	

Prep Batch: 580821

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-21	HDP - North @ 4' bgs	Total/NA	Solid	5030B	
490-170022-22	HDP - North @ 7' 6" bgs	Total/NA	Solid	5030B	
490-170022-23	HDP - East @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-24	HDP - East @ 2' bgs	Total/NA	Solid	5030B	
490-170022-25	HDP - East @ 4' bgs	Total/NA	Solid	5030B	
490-170022-26	HDP - East @ 8' bgs	Total/NA	Solid	5030B	
490-170022-27	HDP - South @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-28	HDP - South @ 2' bgs	Total/NA	Solid	5030B	
490-170022-29	HDP - South @ 4' bgs	Total/NA	Solid	5030B	
490-170022-30	HDP - South @ 6' bgs	Total/NA	Solid	5030B	
490-170022-31	HDP - West @ 0-1' bgs	Total/NA	Solid	5030B	
490-170022-32	HDP - West @ 2' bgs	Total/NA	Solid	5030B	
490-170022-33	HDP - West @ 4' bgs	Total/NA	Solid	5030B	
490-170022-34	HDP - West @ 7' bgs	Total/NA	Solid	5030B	
MB 490-580821/1-A	Method Blank	Total/NA	Solid	5030B	
LCS 490-580821/2-A	Lab Control Sample	Total/NA	Solid	5030B	
LCSD 490-580821/3-A	Lab Control Sample Dup	Total/NA	Solid	5030B	
490-170022-34 MS	HDP - West @ 7' bgs	Total/NA	Solid	5030B	
490-170022-34 MSD	HDP - West @ 7' bgs	Total/NA	Solid	5030B	

Analysis Batch: 581103

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-21	HDP - North @ 4' bgs	Total/NA	Solid	8015B	580821

TestAmerica Nashville

QC Association Summary

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

GC VOA (Continued)

Analysis Batch: 581103 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-22	HDP - North @ 7' 6" bgs	Total/NA	Solid	8015B	580821
490-170022-23	HDP - East @ 0-1' bgs	Total/NA	Solid	8015B	580821
490-170022-24	HDP - East @ 2' bgs	Total/NA	Solid	8015B	580821
490-170022-25	HDP - East @ 4' bgs	Total/NA	Solid	8015B	580821
490-170022-26	HDP - East @ 8' bgs	Total/NA	Solid	8015B	580821
490-170022-27	HDP - South @ 0-1' bgs	Total/NA	Solid	8015B	580821
490-170022-28	HDP - South @ 2' bgs	Total/NA	Solid	8015B	580821
490-170022-29	HDP - South @ 4' bgs	Total/NA	Solid	8015B	580821
490-170022-30	HDP - South @ 6' bgs	Total/NA	Solid	8015B	580821
490-170022-31	HDP - West @ 0-1' bgs	Total/NA	Solid	8015B	580821
490-170022-32	HDP - West @ 2' bgs	Total/NA	Solid	8015B	580821
490-170022-33	HDP - West @ 4' bgs	Total/NA	Solid	8015B	580821
490-170022-34	HDP - West @ 7' bgs	Total/NA	Solid	8015B	580821
MB 490-580821/1-A	Method Blank	Total/NA	Solid	8015B	580821
LCS 490-580821/2-A	Lab Control Sample	Total/NA	Solid	8015B	580821
LCSD 490-580821/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	580821
490-170022-34 MS	HDP - West @ 7' bgs	Total/NA	Solid	8015B	580821
490-170022-34 MSD	HDP - West @ 7' bgs	Total/NA	Solid	8015B	580821

Analysis Batch: 581519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-1	BG @ 0-1' bgs	Total/NA	Solid	8015B	580786
490-170022-2	BG @ 2' bgs	Total/NA	Solid	8015B	580786
490-170022-3	BG @ 4' bgs	Total/NA	Solid	8015B	580786
490-170022-4	BG @ 8' bgs	Total/NA	Solid	8015B	580786
490-170022-5	EX - Wall - North @ 4' bgs	Total/NA	Solid	8015B	580786
490-170022-6	EX - Wall - North @ 2' bgs	Total/NA	Solid	8015B	580786
490-170022-7	EX - Wall - North @ 0-1' bgs	Total/NA	Solid	8015B	580786
490-170022-8	EX - Wall - East @ 4' bgs	Total/NA	Solid	8015B	580786
490-170022-9	EX - Wall - East @ 2' bgs	Total/NA	Solid	8015B	580786
490-170022-10	EX - Wall - East @ 0-1' bgs	Total/NA	Solid	8015B	580786
490-170022-11	EX - Wall - South @ 4' bgs	Total/NA	Solid	8015B	580786
490-170022-12	EX - Wall - South @ 2' bgs	Total/NA	Solid	8015B	580786
490-170022-13	EX - Wall - South @ 0-1' bgs	Total/NA	Solid	8015B	580786
490-170022-14	EX - Wall - West @ 4' bgs	Total/NA	Solid	8015B	580786
490-170022-15	EX - Wall - West @ 2' bgs	Total/NA	Solid	8015B	580786
490-170022-16	EX - Wall - West @ 0-1' bgs	Total/NA	Solid	8015B	580786
490-170022-17	EX - Floor @ 4' bgs	Total/NA	Solid	8015B	580786
490-170022-18	EX - Floor @ 8' bgs	Total/NA	Solid	8015B	580786
490-170022-19	HDP - North @ 0-1' bgs	Total/NA	Solid	8015B	580786
490-170022-20	HDP - North @ 2' bgs	Total/NA	Solid	8015B	580786
MB 490-580786/1-A	Method Blank	Total/NA	Solid	8015B	580786
LCS 490-580786/2-A	Lab Control Sample	Total/NA	Solid	8015B	580786
LCSD 490-580786/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	580786
490-170022-20 MS	HDP - North @ 2' bgs	Total/NA	Solid	8015B	580786
490-170022-20 MSD	HDP - North @ 2' bgs	Total/NA	Solid	8015B	580786

TestAmerica Nashville

QC Association Summary

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

GC Semi VOA

Prep Batch: 581596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-1	BG @ 0-1' bgs	Total/NA	Solid	3550C	
490-170022-2	BG @ 2' bgs	Total/NA	Solid	3550C	
490-170022-3	BG @ 4' bgs	Total/NA	Solid	3550C	
490-170022-4	BG @ 8' bgs	Total/NA	Solid	3550C	
490-170022-5	EX - Wall - North @ 4' bgs	Total/NA	Solid	3550C	
490-170022-6	EX - Wall - North @ 2' bgs	Total/NA	Solid	3550C	
490-170022-7	EX - Wall - North @ 0-1' bgs	Total/NA	Solid	3550C	
490-170022-8	EX - Wall - East @ 4' bgs	Total/NA	Solid	3550C	
490-170022-9	EX - Wall - East @ 2' bgs	Total/NA	Solid	3550C	
490-170022-10	EX - Wall - East @ 0-1' bgs	Total/NA	Solid	3550C	
490-170022-11	EX - Wall - South @ 4' bgs	Total/NA	Solid	3550C	
490-170022-12	EX - Wall - South @ 2' bgs	Total/NA	Solid	3550C	
490-170022-13	EX - Wall - South @ 0-1' bgs	Total/NA	Solid	3550C	
MB 490-581596/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 490-581596/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 490-581596/25-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
490-170022-13 MS	EX - Wall - South @ 0-1' bgs	Total/NA	Solid	3550C	
490-170022-13 MSD	EX - Wall - South @ 0-1' bgs	Total/NA	Solid	3550C	

Prep Batch: 581599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-14	EX - Wall - West @ 4' bgs	Total/NA	Solid	3550C	
490-170022-15	EX - Wall - West @ 2' bgs	Total/NA	Solid	3550C	
490-170022-16	EX - Wall - West @ 0-1' bgs	Total/NA	Solid	3550C	
490-170022-17	EX - Floor @ 4' bgs	Total/NA	Solid	3550C	
490-170022-18	EX - Floor @ 8' bgs	Total/NA	Solid	3550C	
490-170022-19	HDP - North @ 0-1' bgs	Total/NA	Solid	3550C	
490-170022-20	HDP - North @ 2' bgs	Total/NA	Solid	3550C	
490-170022-21	HDP - North @ 4' bgs	Total/NA	Solid	3550C	
490-170022-22	HDP - North @ 7' 6" bgs	Total/NA	Solid	3550C	
490-170022-23	HDP - East @ 0-1' bgs	Total/NA	Solid	3550C	
490-170022-24	HDP - East @ 2' bgs	Total/NA	Solid	3550C	
490-170022-25	HDP - East @ 4' bgs	Total/NA	Solid	3550C	
490-170022-26	HDP - East @ 8' bgs	Total/NA	Solid	3550C	
490-170022-27	HDP - South @ 0-1' bgs	Total/NA	Solid	3550C	
490-170022-28	HDP - South @ 2' bgs	Total/NA	Solid	3550C	
490-170022-29	HDP - South @ 4' bgs	Total/NA	Solid	3550C	
490-170022-30	HDP - South @ 6' bgs	Total/NA	Solid	3550C	
490-170022-31	HDP - West @ 0-1' bgs	Total/NA	Solid	3550C	
490-170022-32	HDP - West @ 2' bgs	Total/NA	Solid	3550C	
490-170022-33	HDP - West @ 4' bgs	Total/NA	Solid	3550C	
MB 490-581599/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 490-581599/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 490-581599/25-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
490-170022-33 MS	HDP - West @ 4' bgs	Total/NA	Solid	3550C	
490-170022-33 MSD	HDP - West @ 4' bgs	Total/NA	Solid	3550C	

Prep Batch: 581615

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-34	HDP - West @ 7' bgs	Total/NA	Solid	3550C	
MB 490-581615/1-A	Method Blank	Total/NA	Solid	3550C	

TestAmerica Nashville

QC Association Summary

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

GC Semi VOA (Continued)

Prep Batch: 581615 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 490-581615/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 490-581615/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	
490-170022-34 MS	HDP - West @ 7' bgs	Total/NA	Solid	3550C	
490-170022-34 MSD	HDP - West @ 7' bgs	Total/NA	Solid	3550C	

Analysis Batch: 581871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-1	BG @ 0-1' bgs	Total/NA	Solid	8015B	581596
490-170022-2	BG @ 2' bgs	Total/NA	Solid	8015B	581596
490-170022-3	BG @ 4' bgs	Total/NA	Solid	8015B	581596
490-170022-4	BG @ 8' bgs	Total/NA	Solid	8015B	581596
490-170022-5	EX - Wall - North @ 4' bgs	Total/NA	Solid	8015B	581596
490-170022-6	EX - Wall - North @ 2' bgs	Total/NA	Solid	8015B	581596
490-170022-7	EX - Wall - North @ 0-1' bgs	Total/NA	Solid	8015B	581596
490-170022-8	EX - Wall - East @ 4' bgs	Total/NA	Solid	8015B	581596
490-170022-9	EX - Wall - East @ 2' bgs	Total/NA	Solid	8015B	581596
490-170022-10	EX - Wall - East @ 0-1' bgs	Total/NA	Solid	8015B	581596
490-170022-11	EX - Wall - South @ 4' bgs	Total/NA	Solid	8015B	581596
490-170022-12	EX - Wall - South @ 2' bgs	Total/NA	Solid	8015B	581596
490-170022-13	EX - Wall - South @ 0-1' bgs	Total/NA	Solid	8015B	581596
490-170022-34	HDP - West @ 7' bgs	Total/NA	Solid	8015B	581615
MB 490-581596/1-A	Method Blank	Total/NA	Solid	8015B	581596
MB 490-581615/1-A	Method Blank	Total/NA	Solid	8015B	581615
LCS 490-581596/2-A	Lab Control Sample	Total/NA	Solid	8015B	581596
LCS 490-581615/2-A	Lab Control Sample	Total/NA	Solid	8015B	581615
LCSD 490-581596/25-A	Lab Control Sample Dup	Total/NA	Solid	8015B	581596
LCSD 490-581615/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B	581615
490-170022-13 MS	EX - Wall - South @ 0-1' bgs	Total/NA	Solid	8015B	581596
490-170022-13 MSD	EX - Wall - South @ 0-1' bgs	Total/NA	Solid	8015B	581596
490-170022-34 MS	HDP - West @ 7' bgs	Total/NA	Solid	8015B	581615
490-170022-34 MSD	HDP - West @ 7' bgs	Total/NA	Solid	8015B	581615

Analysis Batch: 581950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-14	EX - Wall - West @ 4' bgs	Total/NA	Solid	8015B	581599
490-170022-15	EX - Wall - West @ 2' bgs	Total/NA	Solid	8015B	581599
490-170022-16	EX - Wall - West @ 0-1' bgs	Total/NA	Solid	8015B	581599
490-170022-17	EX - Floor @ 4' bgs	Total/NA	Solid	8015B	581599
490-170022-18	EX - Floor @ 8' bgs	Total/NA	Solid	8015B	581599
490-170022-19	HDP - North @ 0-1' bgs	Total/NA	Solid	8015B	581599
490-170022-20	HDP - North @ 2' bgs	Total/NA	Solid	8015B	581599
490-170022-21	HDP - North @ 4' bgs	Total/NA	Solid	8015B	581599
490-170022-22	HDP - North @ 7' 6" bgs	Total/NA	Solid	8015B	581599
490-170022-23	HDP - East @ 0-1' bgs	Total/NA	Solid	8015B	581599
490-170022-24	HDP - East @ 2' bgs	Total/NA	Solid	8015B	581599
490-170022-25	HDP - East @ 4' bgs	Total/NA	Solid	8015B	581599
490-170022-26	HDP - East @ 8' bgs	Total/NA	Solid	8015B	581599
490-170022-27	HDP - South @ 0-1' bgs	Total/NA	Solid	8015B	581599
490-170022-28	HDP - South @ 2' bgs	Total/NA	Solid	8015B	581599
490-170022-29	HDP - South @ 4' bgs	Total/NA	Solid	8015B	581599
490-170022-30	HDP - South @ 6' bgs	Total/NA	Solid	8015B	581599

TestAmerica Nashville

QC Association Summary

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

GC Semi VOA (Continued)

Analysis Batch: 581950 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-31	HDP - West @ 0-1' bgs	Total/NA	Solid	8015B	581599
490-170022-32	HDP - West @ 2' bgs	Total/NA	Solid	8015B	581599
490-170022-33	HDP - West @ 4' bgs	Total/NA	Solid	8015B	581599
MB 490-581599/1-A	Method Blank	Total/NA	Solid	8015B	581599
LCS 490-581599/2-A	Lab Control Sample	Total/NA	Solid	8015B	581599
LCSD 490-581599/25-A	Lab Control Sample Dup	Total/NA	Solid	8015B	581599
490-170022-33 MS	HDP - West @ 4' bgs	Total/NA	Solid	8015B	581599
490-170022-33 MSD	HDP - West @ 4' bgs	Total/NA	Solid	8015B	581599

Analysis Batch: 582119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-10	EX - Wall - East @ 0-1' bgs	Total/NA	Solid	8015B	581596
490-170022-14	EX - Wall - West @ 4' bgs	Total/NA	Solid	8015B	581599
490-170022-15	EX - Wall - West @ 2' bgs	Total/NA	Solid	8015B	581599
490-170022-16	EX - Wall - West @ 0-1' bgs	Total/NA	Solid	8015B	581599
490-170022-17	EX - Floor @ 4' bgs	Total/NA	Solid	8015B	581599
490-170022-18	EX - Floor @ 8' bgs	Total/NA	Solid	8015B	581599
490-170022-19	HDP - North @ 0-1' bgs	Total/NA	Solid	8015B	581599
490-170022-20	HDP - North @ 2' bgs	Total/NA	Solid	8015B	581599
490-170022-21	HDP - North @ 4' bgs	Total/NA	Solid	8015B	581599
490-170022-22	HDP - North @ 7' 6" bgs	Total/NA	Solid	8015B	581599
490-170022-23	HDP - East @ 0-1' bgs	Total/NA	Solid	8015B	581599
490-170022-24	HDP - East @ 2' bgs	Total/NA	Solid	8015B	581599
490-170022-25	HDP - East @ 4' bgs	Total/NA	Solid	8015B	581599
490-170022-26	HDP - East @ 8' bgs	Total/NA	Solid	8015B	581599
490-170022-27	HDP - South @ 0-1' bgs	Total/NA	Solid	8015B	581599
490-170022-28	HDP - South @ 2' bgs	Total/NA	Solid	8015B	581599
490-170022-29	HDP - South @ 4' bgs	Total/NA	Solid	8015B	581599
490-170022-30	HDP - South @ 6' bgs	Total/NA	Solid	8015B	581599
490-170022-31	HDP - West @ 0-1' bgs	Total/NA	Solid	8015B	581599
490-170022-32	HDP - West @ 2' bgs	Total/NA	Solid	8015B	581599
490-170022-33	HDP - West @ 4' bgs	Total/NA	Solid	8015B	581599
MB 490-581599/1-A	Method Blank	Total/NA	Solid	8015B	581599
490-170022-33 MS	HDP - West @ 4' bgs	Total/NA	Solid	8015B	581599
490-170022-33 MSD	HDP - West @ 4' bgs	Total/NA	Solid	8015B	581599

HPLC/IC

Leach Batch: 582187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-1	BG @ 0-1' bgs	Soluble	Solid	DI Leach	
490-170022-2	BG @ 2' bgs	Soluble	Solid	DI Leach	
490-170022-3	BG @ 4' bgs	Soluble	Solid	DI Leach	
490-170022-4	BG @ 8' bgs	Soluble	Solid	DI Leach	
490-170022-5	EX - Wall - North @ 4' bgs	Soluble	Solid	DI Leach	
490-170022-6	EX - Wall - North @ 2' bgs	Soluble	Solid	DI Leach	
490-170022-7	EX - Wall - North @ 0-1' bgs	Soluble	Solid	DI Leach	
490-170022-8	EX - Wall - East @ 4' bgs	Soluble	Solid	DI Leach	
490-170022-9	EX - Wall - East @ 2' bgs	Soluble	Solid	DI Leach	
490-170022-10	EX - Wall - East @ 0-1' bgs	Soluble	Solid	DI Leach	

TestAmerica Nashville

QC Association Summary

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

HPLC/IC (Continued)

Leach Batch: 582187 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-11	EX - Wall - South @ 4' bgs	Soluble	Solid	DI Leach	
490-170022-12	EX - Wall - South @ 2' bgs	Soluble	Solid	DI Leach	
490-170022-13	EX - Wall - South @ 0-1' bgs	Soluble	Solid	DI Leach	
MB 490-582187/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 490-582187/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 490-582187/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
490-170022-4 MS	BG @ 8' bgs	Soluble	Solid	DI Leach	

Leach Batch: 582189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-14	EX - Wall - West @ 4' bgs	Soluble	Solid	DI Leach	
490-170022-15	EX - Wall - West @ 2' bgs	Soluble	Solid	DI Leach	
490-170022-16	EX - Wall - West @ 0-1' bgs	Soluble	Solid	DI Leach	
490-170022-17	EX - Floor @ 4' bgs	Soluble	Solid	DI Leach	
490-170022-18	EX - Floor @ 8' bgs	Soluble	Solid	DI Leach	
490-170022-19	HDP - North @ 0-1' bgs	Soluble	Solid	DI Leach	
490-170022-20	HDP - North @ 2' bgs	Soluble	Solid	DI Leach	
490-170022-21	HDP - North @ 4' bgs	Soluble	Solid	DI Leach	
490-170022-22	HDP - North @ 7' 6" bgs	Soluble	Solid	DI Leach	
490-170022-23	HDP - East @ 0-1' bgs	Soluble	Solid	DI Leach	
490-170022-24	HDP - East @ 2' bgs	Soluble	Solid	DI Leach	
490-170022-25	HDP - East @ 4' bgs	Soluble	Solid	DI Leach	
490-170022-26	HDP - East @ 8' bgs	Soluble	Solid	DI Leach	
490-170022-27	HDP - South @ 0-1' bgs	Soluble	Solid	DI Leach	
490-170022-28	HDP - South @ 2' bgs	Soluble	Solid	DI Leach	
490-170022-29	HDP - South @ 4' bgs	Soluble	Solid	DI Leach	
490-170022-30	HDP - South @ 6' bgs	Soluble	Solid	DI Leach	
490-170022-31	HDP - West @ 0-1' bgs	Soluble	Solid	DI Leach	
490-170022-32	HDP - West @ 2' bgs	Soluble	Solid	DI Leach	
490-170022-33	HDP - West @ 4' bgs	Soluble	Solid	DI Leach	
MB 490-582189/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 490-582189/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 490-582189/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
490-170022-14 MS	EX - Wall - West @ 4' bgs	Soluble	Solid	DI Leach	
490-170022-24 MS	HDP - East @ 2' bgs	Soluble	Solid	DI Leach	

Leach Batch: 582192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-34	HDP - West @ 7' bgs	Soluble	Solid	DI Leach	
MB 490-582192/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 490-582192/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 490-582192/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
490-170022-34 MS	HDP - West @ 7' bgs	Soluble	Solid	DI Leach	

Analysis Batch: 582356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-1	BG @ 0-1' bgs	Soluble	Solid	300.0	582187
490-170022-2	BG @ 2' bgs	Soluble	Solid	300.0	582187
490-170022-3	BG @ 4' bgs	Soluble	Solid	300.0	582187
490-170022-4	BG @ 8' bgs	Soluble	Solid	300.0	582187
490-170022-5	EX - Wall - North @ 4' bgs	Soluble	Solid	300.0	582187

TestAmerica Nashville

QC Association Summary

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

HPLC/IC (Continued)

Analysis Batch: 582356 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-6	EX - Wall - North @ 2' bgs	Soluble	Solid	300.0	582187
490-170022-7	EX - Wall - North @ 0-1' bgs	Soluble	Solid	300.0	582187
490-170022-8	EX - Wall - East @ 4' bgs	Soluble	Solid	300.0	582187
490-170022-9	EX - Wall - East @ 2' bgs	Soluble	Solid	300.0	582187
490-170022-10	EX - Wall - East @ 0-1' bgs	Soluble	Solid	300.0	582187
490-170022-11	EX - Wall - South @ 4' bgs	Soluble	Solid	300.0	582187
490-170022-12	EX - Wall - South @ 2' bgs	Soluble	Solid	300.0	582187
490-170022-13	EX - Wall - South @ 0-1' bgs	Soluble	Solid	300.0	582187
MB 490-582187/1-A	Method Blank	Soluble	Solid	300.0	582187
LCS 490-582187/2-A	Lab Control Sample	Soluble	Solid	300.0	582187
LCSD 490-582187/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	582187
490-170022-4 MS	BG @ 8' bgs	Soluble	Solid	300.0	582187

Analysis Batch: 582365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-14	EX - Wall - West @ 4' bgs	Soluble	Solid	300.0	582189
490-170022-15	EX - Wall - West @ 2' bgs	Soluble	Solid	300.0	582189
490-170022-16	EX - Wall - West @ 0-1' bgs	Soluble	Solid	300.0	582189
490-170022-17	EX - Floor @ 4' bgs	Soluble	Solid	300.0	582189
490-170022-18	EX - Floor @ 8' bgs	Soluble	Solid	300.0	582189
490-170022-19	HDP - North @ 0-1' bgs	Soluble	Solid	300.0	582189
490-170022-20	HDP - North @ 2' bgs	Soluble	Solid	300.0	582189
490-170022-21	HDP - North @ 4' bgs	Soluble	Solid	300.0	582189
490-170022-22	HDP - North @ 7' 6" bgs	Soluble	Solid	300.0	582189
490-170022-23	HDP - East @ 0-1' bgs	Soluble	Solid	300.0	582189
490-170022-24	HDP - East @ 2' bgs	Soluble	Solid	300.0	582189
490-170022-25	HDP - East @ 4' bgs	Soluble	Solid	300.0	582189
490-170022-26	HDP - East @ 8' bgs	Soluble	Solid	300.0	582189
490-170022-27	HDP - South @ 0-1' bgs	Soluble	Solid	300.0	582189
490-170022-28	HDP - South @ 2' bgs	Soluble	Solid	300.0	582189
490-170022-29	HDP - South @ 4' bgs	Soluble	Solid	300.0	582189
490-170022-30	HDP - South @ 6' bgs	Soluble	Solid	300.0	582189
490-170022-31	HDP - West @ 0-1' bgs	Soluble	Solid	300.0	582189
490-170022-32	HDP - West @ 2' bgs	Soluble	Solid	300.0	582189
490-170022-33	HDP - West @ 4' bgs	Soluble	Solid	300.0	582189
MB 490-582189/1-A	Method Blank	Soluble	Solid	300.0	582189
LCS 490-582189/2-A	Lab Control Sample	Soluble	Solid	300.0	582189
LCSD 490-582189/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	582189
490-170022-14 MS	EX - Wall - West @ 4' bgs	Soluble	Solid	300.0	582189
490-170022-24 MS	HDP - East @ 2' bgs	Soluble	Solid	300.0	582189

Analysis Batch: 582401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
490-170022-34	HDP - West @ 7' bgs	Soluble	Solid	300.0	582192
MB 490-582192/1-A	Method Blank	Soluble	Solid	300.0	582192
LCS 490-582192/2-A	Lab Control Sample	Soluble	Solid	300.0	582192
LCSD 490-582192/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	582192
490-170022-34 MS	HDP - West @ 7' bgs	Soluble	Solid	300.0	582192

TestAmerica Nashville

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: BG @ 0-1' bgs

Date Collected: 03/11/19 09:49

Date Received: 03/13/19 10:25

Lab Sample ID: 490-170022-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.61 g	5.0 mL	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 16:33	RP	TAL NSH
Total/NA	Prep	5030B			5.84 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 13:38	S1S	TAL NSH
Total/NA	Prep	3550C			25.13 g	1 mL	581596	03/18/19 10:59	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581871	03/20/19 01:44	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9789 g	30 mL	582187	03/20/19 13:34	SOO	TAL NSH
Soluble	Analysis	300.0		1			582356	03/20/19 23:02	JHS	TAL NSH

Client Sample ID: BG @ 2' bgs

Date Collected: 03/11/19 09:51

Date Received: 03/13/19 10:25

Lab Sample ID: 490-170022-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.49 g	5.0 mL	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 17:03	RP	TAL NSH
Total/NA	Prep	5030B			5.18 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 14:11	S1S	TAL NSH
Total/NA	Prep	3550C			25.17 g	1 mL	581596	03/18/19 10:59	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581871	03/20/19 02:01	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0040 g	30 mL	582187	03/20/19 13:34	SOO	TAL NSH
Soluble	Analysis	300.0		1			582356	03/20/19 23:14	JHS	TAL NSH

Client Sample ID: BG @ 4' bgs

Date Collected: 03/11/19 09:56

Date Received: 03/13/19 10:25

Lab Sample ID: 490-170022-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.34 g	5.0 mL	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 17:33	RP	TAL NSH
Total/NA	Prep	5030B			5.46 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 14:45	S1S	TAL NSH
Total/NA	Prep	3550C			25.03 g	1 mL	581596	03/18/19 10:59	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581871	03/20/19 02:18	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0318 g	30 mL	582187	03/20/19 13:34	SOO	TAL NSH
Soluble	Analysis	300.0		1			582356	03/20/19 23:26	JHS	TAL NSH

Client Sample ID: BG @ 8' bgs

Date Collected: 03/11/19 10:40

Date Received: 03/13/19 10:25

Lab Sample ID: 490-170022-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.80 g	5.0 mL	580788	03/14/19 07:35	JLP	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: BG @ 8' bgs

Lab Sample ID: 490-170022-4

Date Collected: 03/11/19 10:40

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 18:03	RP	TAL NSH
Total/NA	Prep	5030B			5.03 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 15:19	S1S	TAL NSH
Total/NA	Prep	3550C			25.33 g	1 mL	581596	03/18/19 10:59	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581871	03/20/19 02:34	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9981 g	30 mL	582187	03/20/19 13:34	SOO	TAL NSH
Soluble	Analysis	300.0		1			582356	03/21/19 00:00	JHS	TAL NSH

Client Sample ID: EX - Wall - North @ 4' bgs

Lab Sample ID: 490-170022-5

Date Collected: 03/11/19 10:23

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.84 g	5.0 mL	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 18:33	RP	TAL NSH
Total/NA	Prep	5030B			5.73 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 15:52	S1S	TAL NSH
Total/NA	Prep	3550C			25.30 g	1 mL	581596	03/18/19 10:59	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581871	03/20/19 02:51	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0306 g	30 mL	582187	03/20/19 13:34	SOO	TAL NSH
Soluble	Analysis	300.0		1			582356	03/21/19 00:24	JHS	TAL NSH

Client Sample ID: EX - Wall - North @ 2' bgs

Lab Sample ID: 490-170022-6

Date Collected: 03/11/19 10:25

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.02 g	5.0 mL	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 19:02	RP	TAL NSH
Total/NA	Prep	5030B			5.64 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 16:26	S1S	TAL NSH
Total/NA	Prep	3550C			25.25 g	1 mL	581596	03/18/19 10:59	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581871	03/20/19 03:07	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0438 g	30 mL	582187	03/20/19 13:34	SOO	TAL NSH
Soluble	Analysis	300.0		1			582356	03/21/19 00:35	JHS	TAL NSH

Client Sample ID: EX - Wall - North @ 0-1' bgs

Lab Sample ID: 490-170022-7

Date Collected: 03/11/19 10:27

Matrix: Solid

Date Received: 03/13/19 10:25

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	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 19:32	RP	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - North @ 0-1' bgs

Lab Sample ID: 490-170022-7

Date Collected: 03/11/19 10:27

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.61 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 17:00	S1S	TAL NSH
Total/NA	Prep	3550C			25.46 g	1 mL	581596	03/18/19 10:59	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581871	03/20/19 03:57	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9793 g	30 mL	582187	03/20/19 13:34	SOO	TAL NSH
Soluble	Analysis	300.0		1			582356	03/21/19 00:47	JHS	TAL NSH

Client Sample ID: EX - Wall - East @ 4' bgs

Lab Sample ID: 490-170022-8

Date Collected: 03/11/19 10:32

Matrix: Solid

Date Received: 03/13/19 10:25

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	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 20:02	RP	TAL NSH
Total/NA	Prep	5030B			5.04 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 17:33	S1S	TAL NSH
Total/NA	Prep	3550C			25.10 g	1 mL	581596	03/18/19 10:59	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581871	03/20/19 04:13	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0082 g	30 mL	582187	03/20/19 13:34	SOO	TAL NSH
Soluble	Analysis	300.0		1			582356	03/21/19 00:58	JHS	TAL NSH

Client Sample ID: EX - Wall - East @ 2' bgs

Lab Sample ID: 490-170022-9

Date Collected: 03/11/19 10:34

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.47 g	5.0 mL	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 20:32	RP	TAL NSH
Total/NA	Prep	5030B			5.26 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 18:07	S1S	TAL NSH
Total/NA	Prep	3550C			25.33 g	1 mL	581596	03/18/19 10:59	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581871	03/20/19 04:30	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0297 g	30 mL	582187	03/20/19 13:34	SOO	TAL NSH
Soluble	Analysis	300.0		1			582356	03/21/19 01:10	JHS	TAL NSH

Client Sample ID: EX - Wall - East @ 0-1' bgs

Lab Sample ID: 490-170022-10

Date Collected: 03/11/19 10:35

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.37 g	5.0 mL	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 21:02	RP	TAL NSH
Total/NA	Prep	5030B			5.42 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - East @ 0-1' bgs

Lab Sample ID: 490-170022-10

Date Collected: 03/11/19 10:35

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 18:41	S1S	TAL NSH
Total/NA	Prep	3550C			25.07 g	1 mL	581596	03/18/19 10:59	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581871	03/20/19 04:47	AK1	TAL NSH
Total/NA	Prep	3550C			25.07 g	1 mL	581596	03/18/19 10:59	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 23:09	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0236 g	30 mL	582187	03/20/19 13:34	SOO	TAL NSH
Soluble	Analysis	300.0		1			582356	03/21/19 01:22	JHS	TAL NSH

Client Sample ID: EX - Wall - South @ 4' bgs

Lab Sample ID: 490-170022-11

Date Collected: 03/11/19 10:45

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.17 g	5.0 mL	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 21:31	RP	TAL NSH
Total/NA	Prep	5030B			5.15 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 19:14	S1S	TAL NSH
Total/NA	Prep	3550C			25.09 g	1 mL	581596	03/18/19 10:59	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581871	03/20/19 05:03	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9882 g	30 mL	582187	03/20/19 13:34	SOO	TAL NSH
Soluble	Analysis	300.0		1			582356	03/21/19 01:33	JHS	TAL NSH

Client Sample ID: EX - Wall - South @ 2' bgs

Lab Sample ID: 490-170022-12

Date Collected: 03/11/19 10:47

Matrix: Solid

Date Received: 03/13/19 10:25

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	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 22:01	RP	TAL NSH
Total/NA	Prep	5030B			5.37 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 19:48	S1S	TAL NSH
Total/NA	Prep	3550C			25.07 g	1 mL	581596	03/18/19 10:59	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581871	03/20/19 05:19	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0401 g	30 mL	582187	03/20/19 13:34	SOO	TAL NSH
Soluble	Analysis	300.0		1			582356	03/21/19 01:45	JHS	TAL NSH

Client Sample ID: EX - Wall - South @ 0-1' bgs

Lab Sample ID: 490-170022-13

Date Collected: 03/11/19 10:48

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.26 g	5.0 mL	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 22:31	RP	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - South @ 0-1' bgs

Lab Sample ID: 490-170022-13

Date Collected: 03/11/19 10:48

Matrix: Solid

Date Received: 03/13/19 10:25

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	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 20:22	S1S	TAL NSH
Total/NA	Prep	3550C			25.14 g	1 mL	581596	03/18/19 10:59	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581871	03/20/19 05:36	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9853 g	30 mL	582187	03/20/19 13:34	SOO	TAL NSH
Soluble	Analysis	300.0		1			582356	03/21/19 01:56	JHS	TAL NSH

Client Sample ID: EX - Wall - West @ 4' bgs

Lab Sample ID: 490-170022-14

Date Collected: 03/11/19 10:55

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.12 g	5.0 mL	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 23:01	RP	TAL NSH
Total/NA	Prep	5030B			5.24 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 20:55	S1S	TAL NSH
Total/NA	Prep	3550C			25.40 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 18:34	AK1	TAL NSH
Total/NA	Prep	3550C			25.40 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 17:40	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0140 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 03:29	JHS	TAL NSH

Client Sample ID: EX - Wall - West @ 2' bgs

Lab Sample ID: 490-170022-15

Date Collected: 03/11/19 10:58

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.54 g	5.0 mL	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/14/19 23:31	RP	TAL NSH
Total/NA	Prep	5030B			5.39 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 21:29	S1S	TAL NSH
Total/NA	Prep	3550C			25.36 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 18:52	AK1	TAL NSH
Total/NA	Prep	3550C			25.36 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 17:58	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0168 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 03:52	JHS	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: EX - Wall - West @ 0-1' bgs

Lab Sample ID: 490-170022-16

Date Collected: 03/11/19 10:59

Matrix: Solid

Date Received: 03/13/19 10:25

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	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	580924	03/15/19 00:00	RP	TAL NSH
Total/NA	Prep	5030B			5.38 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 22:02	S1S	TAL NSH
Total/NA	Prep	3550C			25.09 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 15:22	AK1	TAL NSH
Total/NA	Prep	3550C			25.09 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 18:16	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0064 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 04:04	JHS	TAL NSH

Client Sample ID: EX - Floor @ 4' bgs

Lab Sample ID: 490-170022-17

Date Collected: 03/11/19 11:05

Matrix: Solid

Date Received: 03/13/19 10:25

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	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	581140	03/15/19 17:37	RP	TAL NSH
Total/NA	Prep	5030B			5.61 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 22:36	S1S	TAL NSH
Total/NA	Prep	3550C			25.55 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 15:40	AK1	TAL NSH
Total/NA	Prep	3550C			25.55 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 18:34	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0385 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 04:15	JHS	TAL NSH

Client Sample ID: EX - Floor @ 8' bgs

Lab Sample ID: 490-170022-18

Date Collected: 03/11/19 11:13

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.25 g	5.0 mL	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	581140	03/15/19 18:07	RP	TAL NSH
Total/NA	Prep	5030B			5.12 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 23:09	S1S	TAL NSH
Total/NA	Prep	3550C			25.06 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 15:57	AK1	TAL NSH
Total/NA	Prep	3550C			25.06 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 18:52	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9600 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 04:27	JHS	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - North @ 0-1' bgs

Lab Sample ID: 490-170022-19

Date Collected: 03/11/19 11:17

Matrix: Solid

Date Received: 03/13/19 10:25

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	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	581140	03/15/19 18:36	RP	TAL NSH
Total/NA	Prep	5030B			5.95 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/18/19 23:43	S1S	TAL NSH
Total/NA	Prep	3550C			25.04 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 16:14	AK1	TAL NSH
Total/NA	Prep	3550C			25.04 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 19:09	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9901 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 04:39	JHS	TAL NSH

Client Sample ID: HDP - North @ 2' bgs

Lab Sample ID: 490-170022-20

Date Collected: 03/11/19 11:19

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.29 g	5.0 mL	580788	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 g	581140	03/15/19 19:06	RP	TAL NSH
Total/NA	Prep	5030B			5.04 g	5.0 mL	580786	03/14/19 07:35	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581519	03/19/19 00:16	S1S	TAL NSH
Total/NA	Prep	3550C			25.10 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 16:32	AK1	TAL NSH
Total/NA	Prep	3550C			25.10 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 19:27	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9890 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 04:50	JHS	TAL NSH

Client Sample ID: HDP - North @ 4' bgs

Lab Sample ID: 490-170022-21

Date Collected: 03/11/19 11:27

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.22 g	5.0 mL	580823	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	581312	03/16/19 03:10	AK1	TAL NSH
Total/NA	Prep	5030B			5.28 g	5.0 mL	580821	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581103	03/15/19 13:52	S1S	TAL NSH
Total/NA	Prep	3550C			25.24 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 16:49	AK1	TAL NSH
Total/NA	Prep	3550C			25.24 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 19:45	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9607 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 05:02	JHS	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - North @ 7' 6" bgs

Lab Sample ID: 490-170022-22

Date Collected: 03/11/19 11:57

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.27 g	5.0 mL	580823	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	581312	03/16/19 03:38	AK1	TAL NSH
Total/NA	Prep	5030B			5.20 g	5.0 mL	580821	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581103	03/15/19 14:26	S1S	TAL NSH
Total/NA	Prep	3550C			25.22 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 17:07	AK1	TAL NSH
Total/NA	Prep	3550C			25.22 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 20:02	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0257 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 05:13	JHS	TAL NSH

Client Sample ID: HDP - East @ 0-1' bgs

Lab Sample ID: 490-170022-23

Date Collected: 03/11/19 12:05

Matrix: Solid

Date Received: 03/13/19 10:25

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	580823	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	581312	03/16/19 04:07	AK1	TAL NSH
Total/NA	Prep	5030B			5.37 g	5.0 mL	580821	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581103	03/15/19 14:59	S1S	TAL NSH
Total/NA	Prep	3550C			25.39 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 17:24	AK1	TAL NSH
Total/NA	Prep	3550C			25.39 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 20:20	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0372 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 05:25	JHS	TAL NSH

Client Sample ID: HDP - East @ 2' bgs

Lab Sample ID: 490-170022-24

Date Collected: 03/11/19 12:08

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.70 g	5.0 mL	580823	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	581312	03/16/19 04:35	AK1	TAL NSH
Total/NA	Prep	5030B			5.33 g	5.0 mL	580821	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581103	03/15/19 15:33	S1S	TAL NSH
Total/NA	Prep	3550C			25.07 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 17:42	AK1	TAL NSH
Total/NA	Prep	3550C			25.07 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 20:37	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9830 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 06:00	JHS	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - East @ 4' bgs

Lab Sample ID: 490-170022-25

Date Collected: 03/11/19 12:17

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.27 g	5.0 mL	580823	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	581312	03/16/19 05:03	AK1	TAL NSH
Total/NA	Prep	5030B			5.48 g	5.0 mL	580821	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581103	03/15/19 16:07	S1S	TAL NSH
Total/NA	Prep	3550C			25.08 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 17:59	AK1	TAL NSH
Total/NA	Prep	3550C			25.08 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 20:55	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9722 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 06:23	JHS	TAL NSH

Client Sample ID: HDP - East @ 8' bgs

Lab Sample ID: 490-170022-26

Date Collected: 03/11/19 12:45

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.31 g	5.0 mL	580823	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	581312	03/16/19 05:32	AK1	TAL NSH
Total/NA	Prep	5030B			5.28 g	5.0 mL	580821	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581103	03/15/19 16:41	S1S	TAL NSH
Total/NA	Prep	3550C			25.26 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 18:17	AK1	TAL NSH
Total/NA	Prep	3550C			25.26 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 21:12	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9570 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 06:35	JHS	TAL NSH

Client Sample ID: HDP - South @ 0-1' bgs

Lab Sample ID: 490-170022-27

Date Collected: 03/11/19 12:58

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.53 g	5.0 mL	580823	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	581312	03/16/19 06:00	AK1	TAL NSH
Total/NA	Prep	5030B			5.18 g	5.0 mL	580821	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581103	03/15/19 17:14	S1S	TAL NSH
Total/NA	Prep	3550C			25.04 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 19:43	AK1	TAL NSH
Total/NA	Prep	3550C			25.04 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 22:04	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0115 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 06:46	JHS	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - South @ 2' bgs

Lab Sample ID: 490-170022-28

Date Collected: 03/11/19 13:01

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.28 g	5.0 mL	580823	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	581312	03/16/19 06:28	AK1	TAL NSH
Total/NA	Prep	5030B			5.06 g	5.0 mL	580821	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581103	03/15/19 17:48	S1S	TAL NSH
Total/NA	Prep	3550C			25.20 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 20:01	AK1	TAL NSH
Total/NA	Prep	3550C			25.20 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 22:21	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0155 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 06:58	JHS	TAL NSH

Client Sample ID: HDP - South @ 4' bgs

Lab Sample ID: 490-170022-29

Date Collected: 03/11/19 13:14

Matrix: Solid

Date Received: 03/13/19 10:25

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	580823	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	581312	03/16/19 06:57	AK1	TAL NSH
Total/NA	Prep	5030B			5.20 g	5.0 mL	580821	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581103	03/15/19 18:22	S1S	TAL NSH
Total/NA	Prep	3550C			25.26 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 20:18	AK1	TAL NSH
Total/NA	Prep	3550C			25.26 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 22:39	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0174 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 07:09	JHS	TAL NSH

Client Sample ID: HDP - South @ 6' bgs

Lab Sample ID: 490-170022-30

Date Collected: 03/11/19 13:29

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.07 g	5.0 mL	580823	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	581312	03/16/19 07:25	AK1	TAL NSH
Total/NA	Prep	5030B			5.32 g	5.0 mL	580821	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581103	03/15/19 18:55	S1S	TAL NSH
Total/NA	Prep	3550C			25 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 20:35	AK1	TAL NSH
Total/NA	Prep	3550C			25 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 22:56	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9904 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 07:21	JHS	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - West @ 0-1' bgs

Lab Sample ID: 490-170022-31

Date Collected: 03/11/19 13:39

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.29 g	5.0 mL	580823	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	581312	03/16/19 07:53	AK1	TAL NSH
Total/NA	Prep	5030B			5.45 g	5.0 mL	580821	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581103	03/15/19 19:29	S1S	TAL NSH
Total/NA	Prep	3550C			25.18 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 20:52	AK1	TAL NSH
Total/NA	Prep	3550C			25.18 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 23:13	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9662 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 07:33	JHS	TAL NSH

Client Sample ID: HDP - West @ 2' bgs

Lab Sample ID: 490-170022-32

Date Collected: 03/11/19 13:41

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.29 g	5.0 mL	580823	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	581312	03/16/19 08:22	AK1	TAL NSH
Total/NA	Prep	5030B			5.72 g	5.0 mL	580821	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581103	03/15/19 20:03	S1S	TAL NSH
Total/NA	Prep	3550C			25.01 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 21:09	AK1	TAL NSH
Total/NA	Prep	3550C			25.01 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 23:31	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0169 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 07:44	JHS	TAL NSH

Client Sample ID: HDP - West @ 4' bgs

Lab Sample ID: 490-170022-33

Date Collected: 03/11/19 13:56

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.26 g	5.0 mL	580823	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	581312	03/16/19 08:50	AK1	TAL NSH
Total/NA	Prep	5030B			5.35 g	5.0 mL	580821	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581103	03/15/19 20:36	S1S	TAL NSH
Total/NA	Prep	3550C			25 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			582119	03/20/19 21:26	AK1	TAL NSH
Total/NA	Prep	3550C			25 g	1 mL	581599	03/18/19 11:07	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581950	03/19/19 23:48	AK1	TAL NSH
Soluble	Leach	DI Leach			3.0097 g	30 mL	582189	03/20/19 13:41	SOO	TAL NSH
Soluble	Analysis	300.0		1			582365	03/21/19 07:56	JHS	TAL NSH

TestAmerica Nashville

Lab Chronicle

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

Client Sample ID: HDP - West @ 7' bgs

Lab Sample ID: 490-170022-34

Date Collected: 03/11/19 14:14

Matrix: Solid

Date Received: 03/13/19 10:25

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			5.15 g	5.0 mL	580823	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8260B		1	5 g	5 mL	581312	03/16/19 09:18	AK1	TAL NSH
Total/NA	Prep	5030B			5.49 g	5.0 mL	580821	03/14/19 10:03	JLP	TAL NSH
Total/NA	Analysis	8015B		1	0.1 mL	5 mL	581103	03/15/19 21:10	S1S	TAL NSH
Total/NA	Prep	3550C			25.19 g	1 mL	581615	03/18/19 11:46	EDS	TAL NSH
Total/NA	Analysis	8015B		1			581871	03/19/19 16:02	AK1	TAL NSH
Soluble	Leach	DI Leach			2.9815 g	30 mL	582192	03/20/19 13:49	SOO	TAL NSH
Soluble	Analysis	300.0		1			582401	03/21/19 09:29	JHS	TAL NSH

Laboratory References:

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

Method Summary

Client: Sport Environmental Services LLC
Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
SDG: EMSU 652 (1RP-3160)

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

Accreditation/Certification Summary

Client: Sport Environmental Services LLC
 Project/Site: XTO EMSU 652 (1RP-3160)

TestAmerica Job ID: 490-170022-1
 SDG: EMSU 652 (1RP-3160)

Laboratory: 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
Alaska (UST)	State Program	10	UST-087	06-30-19
Arizona	State Program	9	AZ0473	05-05-19
Arkansas DEQ	State Program	6	88-0737	04-25-19
California	State Program	9	2938	06-30-19
Connecticut	State Program	1	PH-0220	12-31-19
Florida	NELAP	4	E87358	06-30-19
Georgia	State Program	4	NA: NELAP & A2LA	12-31-19
Illinois	NELAP	5	200010	12-09-18 *
Iowa	State Program	7	131	04-01-20
Kansas	NELAP	7	E-10229	10-31-19
Kentucky (UST)	State Program	4	19	06-30-19
Kentucky (WW)	State Program	4	90038	12-31-19
Louisiana	NELAP	6	30613	06-30-19
Maine	State Program	1	TN00032	11-03-19
Maryland	State Program	3	316	03-31-19
Massachusetts	State Program	1	M-TN032	06-30-19
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	06-30-19
New York	NELAP	2	11342	03-31-19
North Carolina (WW/SW)	State Program	4	387	12-31-19
North Dakota	State Program	8	R-146	06-30-19
Ohio VAP	State Program	5	CL0033	07-06-19
Oklahoma	State Program	6	9412	08-31-19
Oregon	NELAP	10	TN200001	04-26-19
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	12-01-19
Utah	NELAP	8	TN00032	07-31-19
Virginia	NELAP	3	460152	06-14-19
Washington	State Program	10	C789	07-19-19
West Virginia DEP	State Program	3	219	02-28-19 *
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 Nashville

TestAmericaTHE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN**COOLER RECEIPT FORM**

490-170022 Chain of Custody

Cooler Received/Opened On 03-13-2019 @ 10:25Time Samples Removed From Cooler 14:30 Time Samples Placed In Storage 14:47 (2 Hour Window)1. Tracking # 5718 (last 4 digits, FedEx) Courier: FedExIR Gun ID 31470368 pH Strip Lot MA Chlorine Strip Lot MA2. Temperature of rep. sample or temp blank when opened: 5.5 Degrees Celsius3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA4. Were custody seals on outside of cooler? YES...NO...NAIf yes, how many and where: 1 (front)5. Were the seals intact, signed, and dated correctly? YES...NO...NA6. Were custody papers inside cooler? YES...NO...NAI certify that I opened the cooler and answered questions 1-6 (initial) ACE7. Were custody seals on containers: YES NO and Intact YES...NO...NAWere these signed and dated correctly? YES...NO...NA8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None10. Did all containers arrive in good condition (unbroken)? YES...NO...NA11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA12. Did all container labels and tags agree with custody papers? ACE 3/13/19 YES...NO...NA13a. Were VOA vials received? YES...NO...NAb. 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 (initial) ACE15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NAb. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA16. Was residual chlorine present? YES...NO...NAI certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) ACE17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA18. Did you sign the custody papers in the appropriate place? YES...NO...NA19. Were correct containers used for the analysis requested? YES...NO...NA20. Was sufficient amount of sample sent in each container? YES...NO...NAI certify that I entered this project into LIMS and answered questions 17-20 (initial) ACEI certify that I attached a label with the unique LIMS number to each container (initial) ACE21. Were there Non-Conformance issues at login? YES...NO Was a NCM generated? YES...NO...# _____

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

COC No:

Client Contact						Project Manager: Debi Moore Tel/Fax: (432) 683-1100						Site Contact: Debi Moore Lab Contact: Jennifer Gambill						Date: 3/11/2019 Carrier:					
Sport Environmental Services, LLC 502 N. Big Spring St Midland, TX 79701 (432) 683-1100 Phone (888) 500-0622 FAX Project Name: XTO EMSU 652 (IRP-3160) Site: EMSU 652 (IRP-3160) P O # Purchase Order Not Required						Analysis Turnaround Time <input type="checkbox"/> CALENDAR DAYS <input checked="" type="checkbox"/> WORKING DAYS TAT if different from Below _____ days <input type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day												COC No.: _____ of _____ COCs Sampler: For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.:					
Sample Identification						Sample Date		Sample Time		Sample Type (C=Comp, G=Grab)		Matrix		# of Cont.		Sample Specific Notes:							
BG @ 0-1' bgs						3/11/2019		0949		G		S		1		Filtered Sample (Y/N) _____ Perform MS/MSD (Y/N) _____ 300_ORGFMS - Chlorides _____ 8015B_DRO - DROMRO _____ 8015B_GRO _____ 8260B_BTEX _____							
BG @ 2' bgs						3/11/2019		0951		G		S		1									
BG @ 4' bgs						3/11/2019		0956		G		S		1									
BG @ 8' bgs						3/11/2019		1040		G		S		1									
EX - Wall - North @ 4' bgs						3/11/2019		1023		G		S		1		Loc: 490 170022							
EX - Wall - North @ 2' bgs						3/11/2019		1025		G		S		1									
EX - Wall - North @ 0-1' bgs						3/11/2019		1027		G		S		1									
EX - Wall - East @ 4' bgs						3/11/2019		1032		G		S		1									
EX - Wall - East @ 2' bgs						3/11/2019		1034		G		S		1									
EX - Wall - East @ 0-1' bgs						3/11/2019		1035		G		S		1									
EX - Wall - South @ 4' bgs						3/11/2019		1045		G		S		1									
EX - Wall - South @ 2' bgs						3/11/2019		1047		G		S		1									
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. <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown																							
Special Instructions/QC Requirements & Comments:																							
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No						Custody Seal No.:						Cooler Temp. (°C): Obs'd: 3.5 Corr'd: _____ Therm ID No.: _____											
Relinquished by: [Signature]						Company: Sport Env						Received by: [Signature] Company: FA Date/Time: 3-12-19/1355											
Relinquished by: [Signature]						Company: FA						Received by: [Signature] Company: FA Date/Time: 3-12-19/1408											
Relinquished by: [Signature]						Company: [Signature]						Received in Laboratory by: [Signature] Company: TEL MMS Date/Time: 3/13/19 10:25											

Form No. CA-C-WI-002, Rev. 4.15, dated 9/27/2017

TestAmerica Nashville
2960 Foster Creighton Drive

Nashville, TN 37204-3719
phone 615.726.0177 fax 615.726.3404

Chain of Custody Receipt Midland #264

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: 3/11/2019		COC No: 2 of 3 COCs	
Sport Environmental Services, LLC		Tel/Fax: (432) 683-1100		Lab Contact: Jennifer Gambill		Carrier:		Sampler:	
502 N. Big Spring St		Analysis Turnaround Time		Perform MS / MSD (Y / N)		300_ORGMS - Chlorides		For Lab Use Only:	
Midland, TX 79701		<input type="checkbox"/> CALENDAR DAYS <input checked="" type="checkbox"/> WORKING DAYS		Filtered Sample (Y / N)		8015B_DRO - DROMRO		Walk-in Client:	
(432) 683-1100		TAT if different from Below 5 days		# of Cont.		8015B_GRO		Lab Sampling:	
(888) 500-0622		<input type="checkbox"/> 2 weeks		Sample Type (C=Comp, G=Grab)		8260B BTEX		Job / SDG No.:	
Project Name: XTO EMSU 652 (1RP-3160)		<input type="checkbox"/> 1 week		Sample Date					
Site: EMSU 652 (1RP-3160)		<input type="checkbox"/> 2 days		Sample Time					
P O # Purchase Order Not Required		<input type="checkbox"/> 1 day		Matrix					
Sample Identification		Sample Date		Sample Time		Matrix		Sample Specific Notes:	
EX - Wall - South @ 0-1' bgs	3/11/2019	1048	G	S	1				
EX - Wall - West @ 4' bgs	3/11/2019	1055	G	S	1				
EX - Wall - West @ 2' bgs	3/11/2019	1058	G	S	1				
Ex - Wall - West @ 0-1' bgs	3/11/2019	1059	G	S	1				Loc: 490
EX - Floor @ 4' bgs	3/11/2019	1105	G	S	1				170022
EX - Floor @ 8' bgs	3/11/2019	1113	G	S	1				
HDP - North @ 0-1' bgs	3/11/2019	1117	G	S	1				
HDP - North @ 2' bgs	3/11/2019	1119	G	S	1				
HDP - North @ 4' bgs	3/11/2019	1127	G	S	1				
HDP - North @ 7' 6" bgs	3/11/2019	1157	G	S	1				
HDP - East @ 0-1' bgs	3/11/2019	1205	G	S	1				
HDP - East @ 2' bgs	3/11/2019	1208	G	S	1				

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

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for Months

Custody Seal No.:		Cooler Temp. (°C): Obs'd: 5.5 Cor'd:		Therm ID No.:	
Relinquished by: [Signature]	Company: Sport Env	Date/Time: 3/12/19 1355	Received by: [Signature]	Company: [Signature]	Date/Time: 3/12/19 1357
Relinquished by: [Signature]	Company: T4	Date/Time: 3/12/19 1400	Received by: [Signature]	Company: [Signature]	Date/Time: [Signature]
Relinquished by: [Signature]	Company: [Signature]	Date/Time: [Signature]	Received in Laboratory by: [Signature]	Company: [Signature]	Date/Time: 3/13/19 10:25

Form No. CA-C-WI-002, Rev. 4.15, dated 9/27/2017

TestAmerica Nashville
2960 Foster Creighton Drive

Nashville, TN 37204-3719
phone 615.726.0177 fax 615.726.3404

Chain of Custody Record
#264

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: 3/11/2019		COC No: 3 of 3 COCs	
Sport Environmental Services, LLC		Tel/Fax: (432) 683-1100		Lab Contact: Jennifer Gambill		Carrier:		Sampler:	
502 N. Big Spring St		Analysis Turnaround Time		Filtered Sample (Y/N)		Perform MS / MSD (Y/N)		For Lab Use Only:	
Midland, TX 79701		<input type="checkbox"/> CALENDAR DAYS <input checked="" type="checkbox"/> WORKING DAYS		Sample Date		Sample Type (C=Comp, G=Grab)		Walk-in Client:	
(432) 683-1100 Phone		TAT* if different from Below 5 days		Sample Time		# of Cont.		Lab Sampling:	
(888) 500-0622 FAX		<input type="checkbox"/> 2 weeks		1217		G		Job / SDG No.:	
Project Name: XTO EMSU 652 (1RP-3160)		<input type="checkbox"/> 1 week		1245		G		Sample Specific Notes:	
Site: EMSU 652 (1RP-3160)		<input type="checkbox"/> 2 days		1258		G		Loc: 490	
P.O.# Purchase Order Not Required		<input type="checkbox"/> 1 day		1301		G		170022	
HDP - East @ 4' bgs	3/11/2019	1217	G	S	1	X	X	X	
HDP - East @ 8' bgs	3/11/2019	1245	G	S	1	X	X	X	
HDP - South @ 0-1' bgs	3/11/2019	1258	G	S	1	X	X	X	
HDP - South @ 2' bgs	3/11/2019	1301	G	S	1	X	X	X	
HDP - South @ 4' bgs	3/11/2019	1314	G	S	1	X	X	X	
HDP - South @ 6' bgs	3/11/2019	1329	G	S	1	X	X	X	
HDP - West @ 0-1' bgs	3/11/2019	1339	G	S	1	X	X	X	
HDP - West @ 2' bgs	3/11/2019	1341	G	S	1	X	X	X	
HDP - West @ 4' bgs	3/11/2019	1356	G	S	1	X	X	X	
HDP - West @ 7' bgs	3/11/2019	1414	G	S	1	X	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

Special Instructions/QC Requirements & Comments:

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Custody Seal No.:		Cooler Temp. (°C): Obs'd: 5.5 Cor'd:		Therm ID No.:	
Relinquished by: <i>[Signature]</i>	Company: Sport Env	Date/Time: 3-12-19/1355	Received by: <i>[Signature]</i>	Company: <i>[Signature]</i>	Date/Time: 3-12-19 1357
Relinquished by: <i>[Signature]</i>	Company: A	Date/Time: 3-12-19 1400	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by: <i>[Signature]</i>	Company: TA-1405	Date/Time: 3/13/19 10:25

Form No. CA-C-WI-002, Rev. 4.15, dated 9/27/2017

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

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

CONDITIONS

Action 8262

CONDITIONS

Operator: XTO ENERGY, INC 6401 Holiday Hill Road Midland, TX 79707	OGRID: 5380
	Action Number: 8262
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	DTGW not adequately assessed. Data allows for closure.	9/22/2022