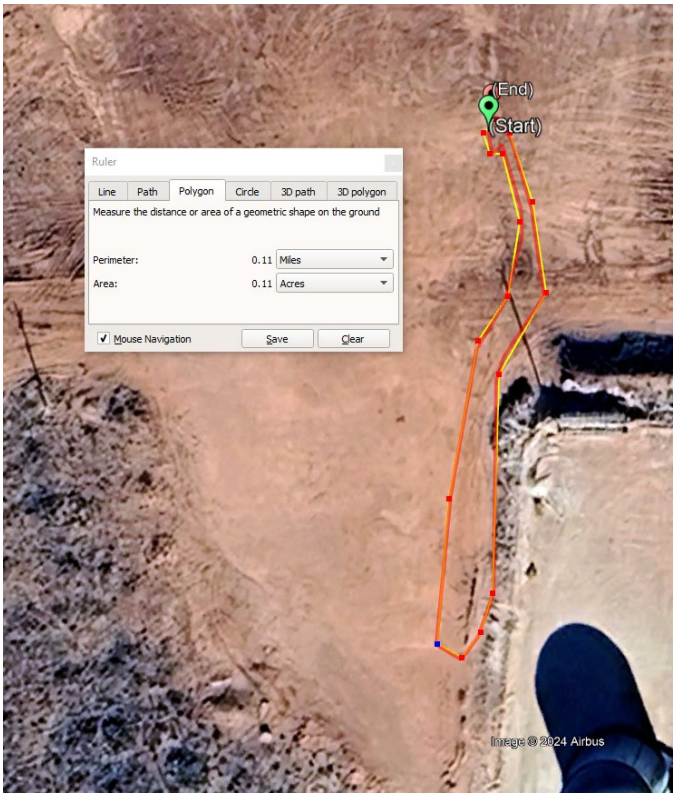
0.11 acres * 325,851 ac/ft * 0.78 ft deep * 0.1 inch/inch available water capacity= 2814 gal /42 BBL = **67 BBL**



Plant-available water holding capacities of various textured soil.

Soil Texture	Plant-Available Water Holding Capacity (inches of water per foot of soil)
Very coarse sands	0.4 - 0.75
Coarse sands, fine sands, loamy sands	0.75 - 1.25
Sandy loams, fine sandy loams	1.25 - 1.75
Very fine sandy loams, loams, silt loams	1.50 - 2.30
Clay loams, silty clay loams, sandy clay loams	1.75 - 2.50
Sandy clays, silty clays, clays	1.60 - 2.50

[2]*Adapted from:* Schwankl, L.J. and T. Prichard. 2009. University of California Drought Management Web Site. http://UCManageDrought.ucdavis.edu. Viewed Aug. 13, 2009.

SELECT

Remediation Plan

Big Stag

Lea County, NM

Unit P, Section 1 T21S R32E

Latitude 32.50109 N, Longitude -103.62229 W

NMOCD Incident # nAPP2334069465

Select Water Solutions, LLC

1502 E Greene St

Carlsbad, NM 88220

April 2024

Timsan Bricker

Environmental Coordinator

tbricker@selectwater.com

Halie Butler

Sr. Corporate Environmental Waste and Remediation Manager

hbutler@selectwater.com

SELECT

Table of Contents

Background:

The site is located in Unit Letter P, Section 1, Township 21 South, Range 32 East, approximately thirty miles northwest of Eunice, in Lea County, New Mexico. The site is located on Bureau of Land Management publicly owned land. Topographic Map, OSE POD Locations Map, and USGS Well Locations Map are included as Figure 1, Figure 2, and Figure 3, respectively.

The release occurred on an active layflat water line; Latitude 32.50109 North, Longitude -103.62229 West. The Initial NMOCD Form C-141 indicated that on December 5, 2023, approximately 67 BBL of produced water were released due to a blow out on the water line. A crew was dispatched to the release site and the line was repaired.

NMOCD Site Classification:

A search of the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) groundwater databases was completed in effort to determine the horizontal distance to known water sources within a half mile radius of the Release Site. Depth to groundwater was determined using a previously drilled temporary exploratory soil boring on private land within ¾ mile of the release area. Karst mapping indicates the site is not located in a Karst designated area. Karst and Wetland Maps are provided as Attachment I. Depth to groundwater information is provided as Attachment IV and the results are depicted on Figures 2 & 3.

The DTGW bore was drilled to 55 ft and did not hit water, therefore the site was delineated and further remediated to the strictest NMOCD Closure Criteria. Utilizing this information, the NMOCD Closure Criteria for the Site were determined as follows:

51 feet-100 feet	Chloride***	EPA 300.0 or SM4500 Cl B	10,000 mg/kg
	TPH (GRO+DRO+MRO)	EPA SW-846 Method 8015M	2,500 mg/kg
	GRO+DRO	EPA SW-846 Method 8015M	1,000 mg/kg
	BTEX	EPA SW-846 Method 8021B or 8260B	50 mg/kg
	Benzene	EPA SW-846 Method 8021B or 8260B	10 mg/kg

Delineation:

On February 2, 2024 Select conducted an initial site assessment consisting of photographing and mapping the release area, as well as taking preliminary surface-1' samples. On February 7, 2024, delineation began and Carmona Resources, Inc was dispatched to take samples from 0-1.5'. Laboratory analytical results indicated all samples were below NMOCD Closure Criteria at 1.5 ft bgs.

During delineation activities, sample test trenches were advanced in the release area in effort to determine the vertical extent of contamination. These sample locations are identified by S designation. In addition, sample test trenches were advanced along the outside edges of the release area in effort to determine the horizontal extent of contamination. These sample locations are identified by HZ designation. During the advancement of the test trenches, soil samples were collected and field screened for the presence of chloride concentrations utilizing a Hach Quantab® chloride test kit.

Based on field observations and field test data noted above and provided in Attachment V, eight representative soil samples were selected for laboratory analysis. Delineation soil samples S-1 through S-4 and H-1 through H-4 were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated contaminant concentrations were below the NMOCD Closure Criteria in each of the submitted samples at 1.5ft BGS.

Remediation Plan:

Select plans to employ SDR Enterprises LLC to complete remediation through excavation of contaminated material and backfill with clean material. Approximately 430 cuyds will be hauled to dispose at Lea Land LLC and backfill materials will be purchased from private landowner nearby.

Restoration, Reclamation, and Re-Vegetation:

Once analytical results confirm that contaminated soils have been successfully remediated, the excavated area will be backfilled and contoured to achieve erosion control and preserve surface water flow. The affected area will be reseeded with an approved seed mixture and monitored for restoration of 75% of initial ground coverage according to NMOCD standards.

SELECT

Distribution:

New Mexico Energy, Minerals, and Natural Resources Department

Oil Conservation Division, District 2

811 S. First St

Artesia, NM 88210

Bureau of Land Management

Carlsbad Field Office

600 E Greene St

Carlsbad NM 88220

SELECT

Figures

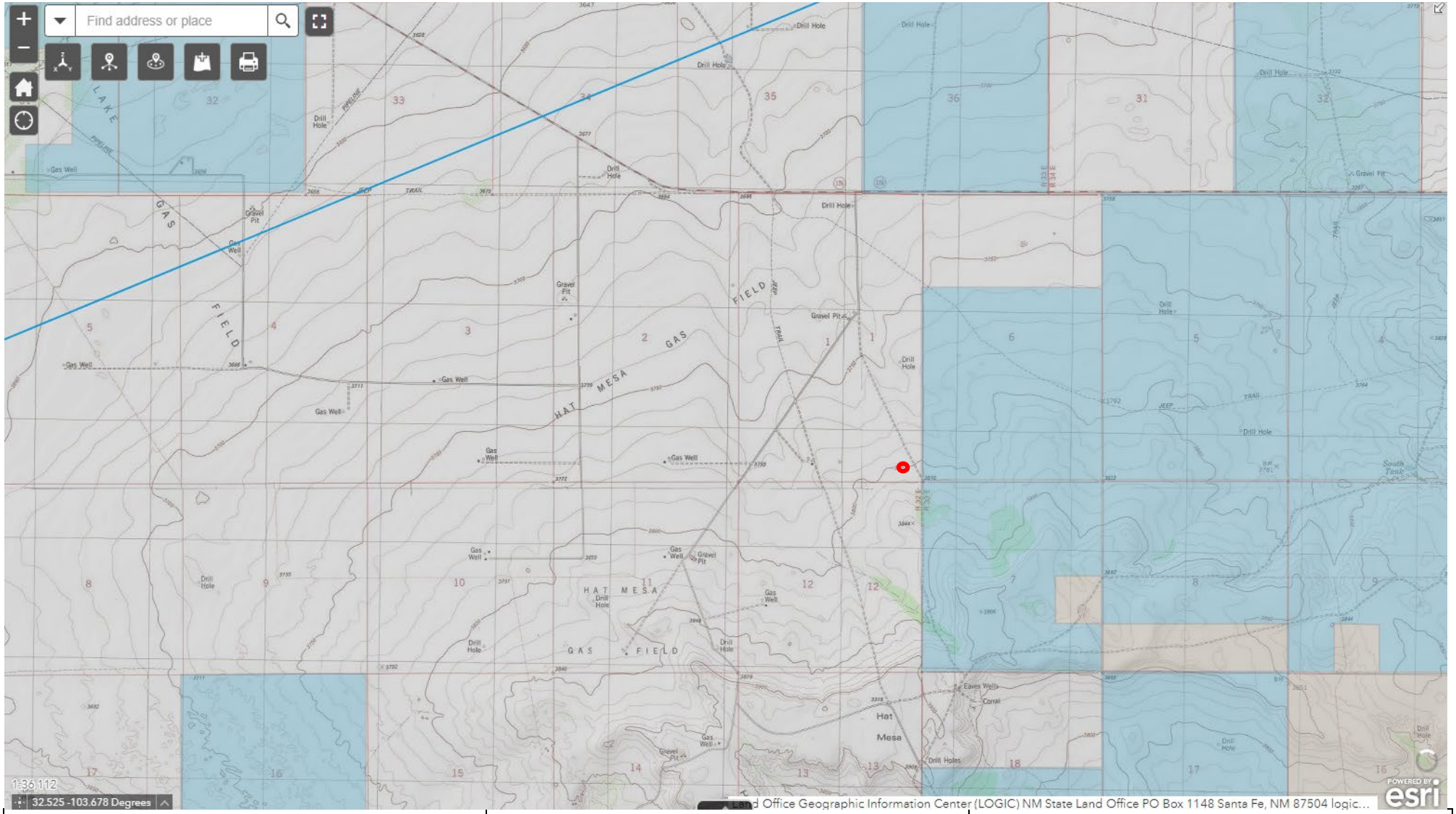


Figure 1 Topographic Map Big Stag GPS: 32.50109, -103.62229	**Legend:** Big Stag location	Drafted: TB Checked: HB 5/1/2024

Figure NMOSE POD Map Big Stag GPS: 32.50109, -103.62229	**Legend:** Big Stag location	Drafted: TB Checked: HB 5/1/2024

Figure 3 Delineation Sample Map Big Stag GPS: 32.50109, -103.62229	**Legend:** sample point location	Drafted: TB Checked: HB 5/1/2024 SELECT

Proposed Excavation Depth Map

Select Energy
Big Stag
32.50109,-103.62229
Lea County, New Mexico

Area of S-1
31'x17'1.5' ~ 30CY
60'x22'x1.5'~ 74CY

Area of S-2
90'x20'x1.5' ~100CY

Area of S-3
63'x18'x1.5'~ 63CY

Area of S-4
93'x24'x1.5'~ 124CY

Approx Total Cubic Yards with Fluff ~ 430 CY

CY - Cubic Yards

Legend

- Horizontal Sample
- Overhead Powerlines
- Proposed 1.5' Excvation
- Sample Point

S-4
S-3
S-2
S-1
H-1
H-2
H-4

Google Earth

Image © 2024 Airbus

N

100 ft

SELECT

Tables

SELECT

Table 1

Summary of Soil Sample Laboratory Analytical Results

Select Water

Big Stag

NMOCD Inc# nAPP2334069465

BIG STAG - MATADOR 12/5/23						
SAMPLE ID	DATE	DEPTH	BTEX	DRO+GRO	TPH	CHLORIDE
S1 SURFACE	2/2/2024	0	0	2477.1	2480	797
S-1	2/7/2024	0	0	0	0	2240
S-1 1.5	2/7/2024	1.5				81.2
S2 SURFACE	2/2/2024	0	0	50.8	50.8	2960
S2 1'	2/2/2024	1		30.6	30.6	1600
S-2	2/7/2024	0				1050
S-2 1.5	2/7/2024	1.5				188
S3 SURFACE	2/2/2024	0	0	35.3	35.3	6940
S3 1'	2/2/2024	1		27.7	27.7	1080
S-3	2/7/2024					2030
S-3 1.5	2/7/2024	1.5				86.3
S4 SURFACE	2/2/2024	0	0	28.5	28.5	11400
S-4	2/7/2024	0				2030
S-4 1.5	2/7/2024					86.3
S5 SURFACE	2/2/2024	0	0	30.9	30.9	5890
S5 6"	2/2/2024	0.5		39	39	1680
S6 SURFACE	2/2/2024	0	0	0	0	2980
S6 1'	2/2/2024	1				388
S7 SURFACE	2/2/2024	0	0	0	0	685
S7 1'	2/2/2024	1				535
S8 SURFACE	2/2/2024	0	0	28.8	28.8	2160
S8 1'	2/2/2024	1		57.3	57.3	338
H-1	2/7/2024	1				51.3
H-2	2/7/2024	1				66
H-3	2/7/2024	1				68.4
H-4	2/7/2024	1				63.1

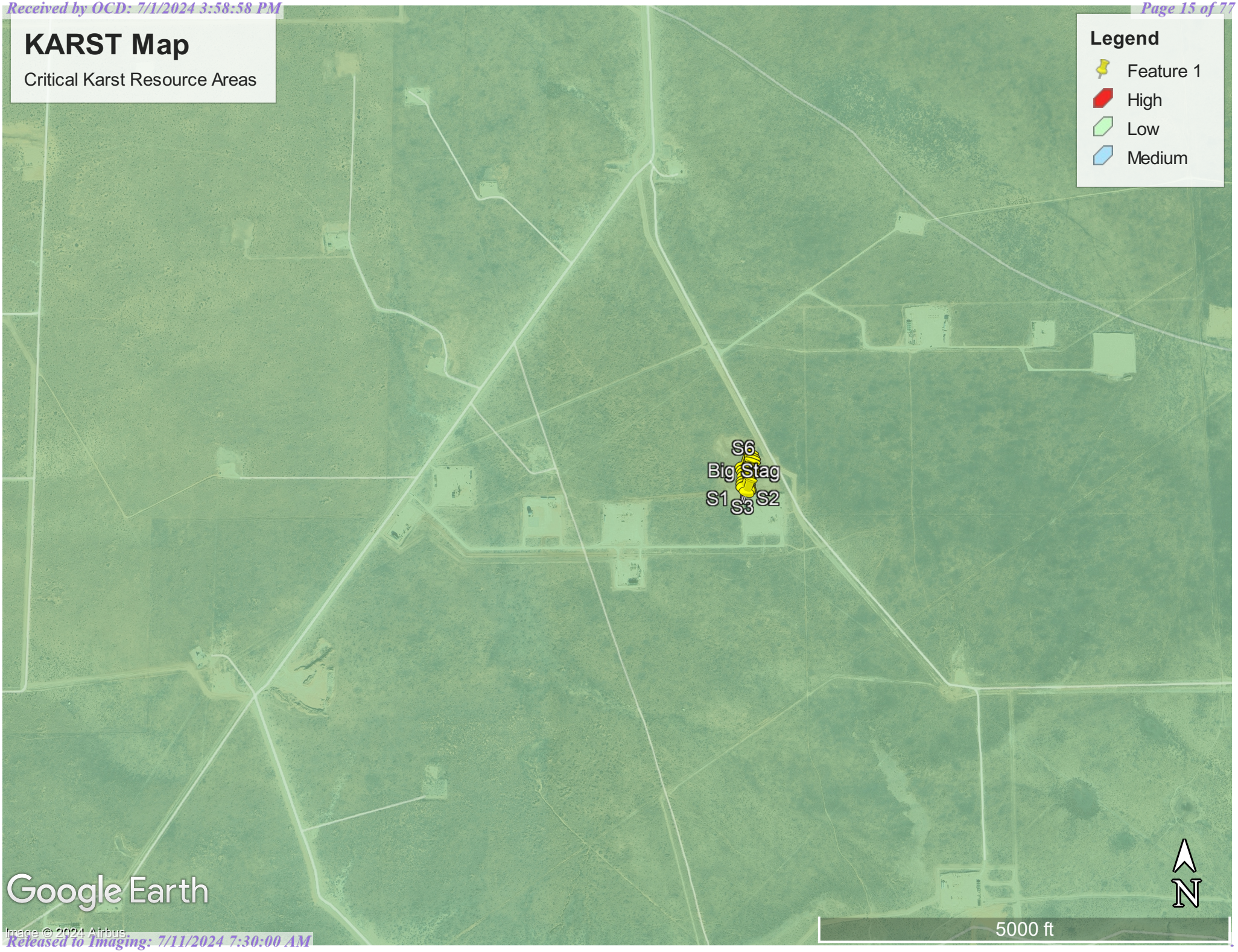
SELECT

Attachment I

KARST and Wetland Maps

KARST Map

Critical Karst Resource Areas



U.S. Fish and Wildlife Service
National Wetlands Inventory

Big Stag

May 8, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

SELECT

Attachment II

NMOCD and Correspondence

SELECT

Attachment III

Site Photographs


CLEAN
CHEMISTRY

SELECT

Attachment IV

DTGW Info

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: CP 01884 **Subbasin:** CP **Cross Reference:** -

Primary Purpose: MON MONITORING WELL

Primary Status: PMT PERMIT

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

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

Agent: ATKINS ENGR ASSOC IN

Contact: LUCAS MIDDLETON

User: ASCENT ENERGY

Contact: JOHN ROMANO

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	699871	EXPL	2021-07-13	PMT	APR	CP 01884 POD1	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q16	Q4	Sec	Tws	Rng	X	Y	Other Location Desc
CP 01884 POD1	NA		3	3	3	01	21S	32E	628121	3596776	TW-1

PLUGGING RECORD

NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: CP-1884- POD 1

Well owner: Ascent Energy Phone No.: _____

Mailing address: P.O Box 270983

City: Littleton State: CO Zip code: 80127

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/23

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s): Lupe Leyba

4) Date well plugging began: 09/15/2021 Date well plugging concluded: 09/15/2021

5) GPS Well Location: Latitude: 32 deg, 30 min, 3.18 sec
Longitude: 103 deg, 38 min, 10.22 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl), by the following manner: weighted tape

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 07/12/2021

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

OSE DIT SEP 28 2021 PM3:02

Version: September 8, 2009
Page 1 of 2

10) Log of Plugging Activities - Label vertical scale with depths, and indicate separate plugging intervals with horizontal lines as necessary to illustrate material or methodology changes. Attach additional pages if necessary.

For each interval plugged, describe within the following columns:

Depth (ft bgl)	Plugging Material Used (include any additives used)	Volume of Material Placed (gallons)	Theoretical Volume of Borehole/ Casing (gallons)	Placement Method (tremie pipe, other)	Comments ("casing perforated first", "open annular space also plugged", etc.)
	0-10' Hydrated Bentonite	Approx. 20 gallons	15 gallons	Augers	
	10'-55' Drill Cuttings	Approx. 71 gallons	71 gallons	Boring	

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

OSE DIT SEP 28 2021 PM3:02

III. SIGNATURE:

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins — Signature of Well Driller

09/27/2021 — Date

Version: September 8, 2009
Page 2 of 2

SELECT

Attachment V

Lab Analytical Results

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Timsan Bricker
Select Energy Services
7904 W Hwy 80
Midland, Texas 79706

Generated 2/23/2024 3:19:17 PM

JOB DESCRIPTION

BIG STAG
2024 - 01

JOB NUMBER

890-6105-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

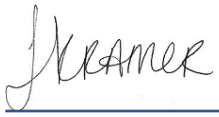
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

Authorization



Generated
2/23/2024 3:19:17 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Select Energy Services
Project/Site: BIG STAG

Laboratory Job ID: 890-6105-1
SDG: 2024 - 01

Table of Contents

Definitions/Glossary

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Qualifiers

GC/MS VOA

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

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Select Energy Services
Project: BIG STAG

Job ID: 890-6105-1

Job ID: 890-6105-1 Eurofins Carlsbad

Job Narrative
890-6105-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 2/2/2024 12:39 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.0°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: S1 SURFACE (890-6105-1), S2 SURFACE (890-6105-2), S2 1' (890-6105-3), S3 SURFACE (890-6105-4), S3 1' (890-6105-5), S4 SURFACE (890-6105-6), S5 SURFACE (890-6105-7), S5 6" (890-6105-8), S6 SURFACE (890-6105-9), S6 1' (890-6105-10), S7 SURFACE (890-6105-11), S7 1' (890-6105-12), S8 SURFACE (890-6105-13) and S8 1' (890-6105-14).

GC/MS VOA
Method 8260D: Sample is in a bulk jar.

S1 SURFACE (890-6105-1), S2 SURFACE (890-6105-2), S2 1' (890-6105-3), S3 SURFACE (890-6105-4), S3 1' (890-6105-5), S4 SURFACE (890-6105-6), S5 SURFACE (890-6105-7), S6 SURFACE (890-6105-9), S6 1' (890-6105-10), S7 SURFACE (890-6105-11) and (890-6105-A-1-A MS)

Method 8260D: The matrix spike (MS) recoveries for preparation batch 860-143799 and analytical batch 860-143756 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8260D: Sample is in a bulk jar.

S7 1' (890-6105-12), S8 SURFACE (890-6105-13) and S8 1' (890-6105-14)

Method 8260D: Sample is in a bulk jar.

S5 6" (890-6105-8)

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

GC Semi VOA
Method 8015MOD_NM: samples were split and frozen Within 48 Hours of TX 1005

Method 8015MOD_NM: samples were split and frozen within 48 Hours of TX 1005

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: S1 SURFACE (890-6105-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-73835 and analytical batch 880-73860 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was

Case Narrative

Client: Select Energy Services
Project: BIG STAG

Job ID: 890-6105-1

Job ID: 890-6105-1 (Continued)

Eurofins Carlsbad

within acceptance limits.

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

Client Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S1 SURFACE

Lab Sample ID: 890-6105-1
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 0'

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000994	U	0.000994	0.000380	mg/Kg		02/05/24 11:00	02/05/24 12:56	1
Toluene	<0.00497	U	0.00497	0.00120	mg/Kg		02/05/24 11:00	02/05/24 12:56	1
Ethylbenzene	<0.000994	U F1	0.000994	0.000303	mg/Kg		02/05/24 11:00	02/05/24 12:56	1
m,p-Xylenes	<0.00199	U F1	0.00199	0.000430	mg/Kg		02/05/24 11:00	02/05/24 12:56	1
o-Xylene	<0.000994	U F1	0.000994	0.000314	mg/Kg		02/05/24 11:00	02/05/24 12:56	1
Xylenes, Total	<0.00199	U	0.00199	0.000430	mg/Kg		02/05/24 11:00	02/05/24 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*56 - 150*	*02/05/24 11:00*	*02/05/24 12:56*	*1*
4-Bromofluorobenzene (Surr)	*95*		*68 - 152*	*02/05/24 11:00*	*02/05/24 12:56*	*1*
Dibromofluoromethane (Surr)	*102*		*53 - 142*	*02/05/24 11:00*	*02/05/24 12:56*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*02/05/24 11:00*	*02/05/24 12:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00199	U	0.00199	0.000430	mg/Kg			02/05/24 12:56	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**2480**		49.9	21.1	mg/Kg			02/08/24 06:26	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	**33.4**	**J**	49.9	21.1	mg/Kg		02/06/24 14:30	02/08/24 06:26	1
Diesel Range Organics (Over C10-C28)	**2420**		49.9	21.1	mg/Kg		02/06/24 14:30	02/08/24 06:26	1
Oil Range Organics (Over C28-C36)	**23.7**	**J**	49.9	21.1	mg/Kg		02/06/24 14:30	02/08/24 06:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*65 - 130*	*02/06/24 14:30*	*02/08/24 06:26*	*1*
o-Terphenyl	*550*	*S1+*	*65 - 130*	*02/06/24 14:30*	*02/08/24 06:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**797**		4.97	0.393	mg/Kg			02/22/24 13:59	1

Client Sample ID: S2 SURFACE

Lab Sample ID: 890-6105-2
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 0'

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000998	U	0.000998	0.000382	mg/Kg		02/05/24 10:43	02/05/24 17:00	1
Toluene	<0.00499	U	0.00499	0.00121	mg/Kg		02/05/24 10:43	02/05/24 17:00	1
Ethylbenzene	<0.000998	U	0.000998	0.000304	mg/Kg		02/05/24 10:43	02/05/24 17:00	1
m,p-Xylenes	<0.00200	U	0.00200	0.000432	mg/Kg		02/05/24 10:43	02/05/24 17:00	1
o-Xylene	<0.000998	U	0.000998	0.000315	mg/Kg		02/05/24 10:43	02/05/24 17:00	1
Xylenes, Total	<0.00200	U	0.00200	0.000432	mg/Kg		02/05/24 10:43	02/05/24 17:00	1

Client Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S2 SURFACE

Lab Sample ID: 890-6105-2
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 0'

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*56 - 150*	*02/05/24 10:43*	*02/05/24 17:00*	*1*
4-Bromofluorobenzene (Surr)	*93*		*68 - 152*	*02/05/24 10:43*	*02/05/24 17:00*	*1*
Dibromofluoromethane (Surr)	*99*		*53 - 142*	*02/05/24 10:43*	*02/05/24 17:00*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*	*02/05/24 10:43*	*02/05/24 17:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.000432	mg/Kg			02/05/24 17:00	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**50.8**		49.8	21.0	mg/Kg			02/08/24 06:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	21.0	mg/Kg		02/06/24 14:30	02/08/24 06:46	1
Diesel Range Organics (Over C10-C28)	**50.8**		49.8	21.0	mg/Kg		02/06/24 14:30	02/08/24 06:46	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	21.0	mg/Kg		02/06/24 14:30	02/08/24 06:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*65 - 130*	*02/06/24 14:30*	*02/08/24 06:46*	*1*
o-Terphenyl	*118*		*65 - 130*	*02/06/24 14:30*	*02/08/24 06:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2960**		24.8	1.96	mg/Kg			02/22/24 14:05	5

Client Sample ID: S2 1'

Lab Sample ID: 890-6105-3
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 1'

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101	0.000386	mg/Kg		02/05/24 10:43	02/05/24 17:23	1
Toluene	<0.00505	U	0.00505	0.00122	mg/Kg		02/05/24 10:43	02/05/24 17:23	1
Ethylbenzene	<0.00101	U	0.00101	0.000307	mg/Kg		02/05/24 10:43	02/05/24 17:23	1
m,p-Xylenes	<0.00202	U	0.00202	0.000437	mg/Kg		02/05/24 10:43	02/05/24 17:23	1
o-Xylene	<0.00101	U	0.00101	0.000319	mg/Kg		02/05/24 10:43	02/05/24 17:23	1
Xylenes, Total	<0.00202	U	0.00202	0.000437	mg/Kg		02/05/24 10:43	02/05/24 17:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*56 - 150*	*02/05/24 10:43*	*02/05/24 17:23*	*1*
4-Bromofluorobenzene (Surr)	*94*		*68 - 152*	*02/05/24 10:43*	*02/05/24 17:23*	*1*
Dibromofluoromethane (Surr)	*100*		*53 - 142*	*02/05/24 10:43*	*02/05/24 17:23*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*	*02/05/24 10:43*	*02/05/24 17:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00202	U	0.00202	0.000437	mg/Kg			02/05/24 17:23	1

Client Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S2 1'

Lab Sample ID: 890-6105-3
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 1'

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**30.6**	**J**	50.0	21.1	mg/Kg			02/08/24 07:05	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:30	02/08/24 07:05	1
Diesel Range Organics (Over C10-C28)	**30.6**	**J**	50.0	21.1	mg/Kg		02/06/24 14:30	02/08/24 07:05	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:30	02/08/24 07:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*65 - 130*	*02/06/24 14:30*	*02/08/24 07:05*	*1*
o-Terphenyl	*115*		*65 - 130*	*02/06/24 14:30*	*02/08/24 07:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1600**		24.9	1.97	mg/Kg			02/22/24 14:12	5

Client Sample ID: S3 SURFACE

Lab Sample ID: 890-6105-4
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 0'

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000998	U	0.000998	0.000382	mg/Kg		02/05/24 10:43	02/05/24 17:44	1
Toluene	<0.00499	U	0.00499	0.00121	mg/Kg		02/05/24 10:43	02/05/24 17:44	1
Ethylbenzene	<0.000998	U	0.000998	0.000304	mg/Kg		02/05/24 10:43	02/05/24 17:44	1
m,p-Xylenes	<0.00200	U	0.00200	0.000432	mg/Kg		02/05/24 10:43	02/05/24 17:44	1
o-Xylene	<0.000998	U	0.000998	0.000315	mg/Kg		02/05/24 10:43	02/05/24 17:44	1
Xylenes, Total	<0.00200	U	0.00200	0.000432	mg/Kg		02/05/24 10:43	02/05/24 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*56 - 150*	*02/05/24 10:43*	*02/05/24 17:44*	*1*
4-Bromofluorobenzene (Surr)	*96*		*68 - 152*	*02/05/24 10:43*	*02/05/24 17:44*	*1*
Dibromofluoromethane (Surr)	*99*		*53 - 142*	*02/05/24 10:43*	*02/05/24 17:44*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*	*02/05/24 10:43*	*02/05/24 17:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.000432	mg/Kg			02/05/24 17:44	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**35.3**	**J**	50.0	21.1	mg/Kg			02/08/24 07:25	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:30	02/08/24 07:25	1
Diesel Range Organics (Over C10-C28)	**35.3**	**J**	50.0	21.1	mg/Kg		02/06/24 14:30	02/08/24 07:25	1

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Client Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S3 SURFACE

Lab Sample ID: 890-6105-4
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 0'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:30	02/08/24 07:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*65 - 130*	*02/06/24 14:30*	*02/08/24 07:25*	*1*
o-Terphenyl	*119*		*65 - 130*	*02/06/24 14:30*	*02/08/24 07:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6940**		50.2	3.97	mg/Kg			02/22/24 14:19	10

Client Sample ID: S3 1'

Lab Sample ID: 890-6105-5
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 1'

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101	0.000386	mg/Kg		02/05/24 10:43	02/05/24 18:07	1
Toluene	<0.00505	U	0.00505	0.00122	mg/Kg		02/05/24 10:43	02/05/24 18:07	1
Ethylbenzene	<0.00101	U	0.00101	0.000307	mg/Kg		02/05/24 10:43	02/05/24 18:07	1
m,p-Xylenes	<0.00202	U	0.00202	0.000437	mg/Kg		02/05/24 10:43	02/05/24 18:07	1
o-Xylene	<0.00101	U	0.00101	0.000319	mg/Kg		02/05/24 10:43	02/05/24 18:07	1
Xylenes, Total	<0.00202	U	0.00202	0.000437	mg/Kg		02/05/24 10:43	02/05/24 18:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*56 - 150*	*02/05/24 10:43*	*02/05/24 18:07*	*1*
4-Bromofluorobenzene (Surr)	*97*		*68 - 152*	*02/05/24 10:43*	*02/05/24 18:07*	*1*
Dibromofluoromethane (Surr)	*98*		*53 - 142*	*02/05/24 10:43*	*02/05/24 18:07*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*02/05/24 10:43*	*02/05/24 18:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00202	U	0.00202	0.000437	mg/Kg			02/05/24 18:07	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**27.7**	**J**	49.9	21.0	mg/Kg			02/08/24 07:45	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	21.0	mg/Kg		02/06/24 14:30	02/08/24 07:45	1
Diesel Range Organics (Over C10-C28)	**27.7**	**J**	49.9	21.0	mg/Kg		02/06/24 14:30	02/08/24 07:45	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	21.0	mg/Kg		02/06/24 14:30	02/08/24 07:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*65 - 130*	*02/06/24 14:30*	*02/08/24 07:45*	*1*
o-Terphenyl	*120*		*65 - 130*	*02/06/24 14:30*	*02/08/24 07:45*	*1*

Client Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S3 1'

Lab Sample ID: 890-6105-5
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1080**		25.2	1.99	mg/Kg			02/22/24 14:25	5

Client Sample ID: S4 SURFACE

Lab Sample ID: 890-6105-6
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 0'

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101	0.000385	mg/Kg		02/05/24 10:43	02/05/24 18:28	1
Toluene	<0.00503	U	0.00503	0.00122	mg/Kg		02/05/24 10:43	02/05/24 18:28	1
Ethylbenzene	<0.00101	U	0.00101	0.000306	mg/Kg		02/05/24 10:43	02/05/24 18:28	1
m,p-Xylenes	<0.00201	U	0.00201	0.000436	mg/Kg		02/05/24 10:43	02/05/24 18:28	1
o-Xylene	<0.00101	U	0.00101	0.000318	mg/Kg		02/05/24 10:43	02/05/24 18:28	1
Xylenes, Total	<0.00201	U	0.00201	0.000436	mg/Kg		02/05/24 10:43	02/05/24 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*56 - 150*	*02/05/24 10:43*	*02/05/24 18:28*	*1*
4-Bromofluorobenzene (Surr)	*93*		*68 - 152*	*02/05/24 10:43*	*02/05/24 18:28*	*1*
Dibromofluoromethane (Surr)	*100*		*53 - 142*	*02/05/24 10:43*	*02/05/24 18:28*	*1*
Toluene-d8 (Surr)	*93*		*70 - 130*	*02/05/24 10:43*	*02/05/24 18:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201	0.000436	mg/Kg			02/05/24 18:28	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**28.5**	**J**	50.0	21.1	mg/Kg			02/08/24 08:25	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:30	02/08/24 08:25	1
Diesel Range Organics (Over C10-C28)	**28.5**	**J**	50.0	21.1	mg/Kg		02/06/24 14:30	02/08/24 08:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:30	02/08/24 08:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*65 - 130*	*02/06/24 14:30*	*02/08/24 08:25*	*1*
o-Terphenyl	*117*		*65 - 130*	*02/06/24 14:30*	*02/08/24 08:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11400**		100	7.90	mg/Kg			02/22/24 14:32	20

Client Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S5 SURFACE

Lab Sample ID: 890-6105-7
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 0'

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101	0.000386	mg/Kg		02/05/24 10:43	02/05/24 18:50	1
Toluene	<0.00505	U	0.00505	0.00122	mg/Kg		02/05/24 10:43	02/05/24 18:50	1
Ethylbenzene	<0.00101	U	0.00101	0.000307	mg/Kg		02/05/24 10:43	02/05/24 18:50	1
m,p-Xylenes	<0.00202	U	0.00202	0.000437	mg/Kg		02/05/24 10:43	02/05/24 18:50	1
o-Xylene	<0.00101	U	0.00101	0.000319	mg/Kg		02/05/24 10:43	02/05/24 18:50	1
Xylenes, Total	<0.00202	U	0.00202	0.000437	mg/Kg		02/05/24 10:43	02/05/24 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*56 - 150*	*02/05/24 10:43*	*02/05/24 18:50*	*1*
4-Bromofluorobenzene (Surr)	*96*		*68 - 152*	*02/05/24 10:43*	*02/05/24 18:50*	*1*
Dibromofluoromethane (Surr)	*100*		*53 - 142*	*02/05/24 10:43*	*02/05/24 18:50*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*02/05/24 10:43*	*02/05/24 18:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00202	U	0.00202	0.000437	mg/Kg			02/05/24 18:50	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**30.9**	**J**	49.8	21.0	mg/Kg			02/08/24 08:45	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	21.0	mg/Kg		02/06/24 14:30	02/08/24 08:45	1
Diesel Range Organics (Over C10-C28)	**30.9**	**J**	49.8	21.0	mg/Kg		02/06/24 14:30	02/08/24 08:45	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	21.0	mg/Kg		02/06/24 14:30	02/08/24 08:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*95*		*65 - 130*	*02/06/24 14:30*	*02/08/24 08:45*	*1*
o-Terphenyl	*100*		*65 - 130*	*02/06/24 14:30*	*02/08/24 08:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5890**		49.9	3.94	mg/Kg			02/22/24 14:39	10

Client Sample ID: S5 6"

Lab Sample ID: 890-6105-8
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 6"

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000996	U	0.000996	0.000381	mg/Kg		02/05/24 10:43	02/07/24 23:47	1
Toluene	<0.00498	U	0.00498	0.00121	mg/Kg		02/05/24 10:43	02/07/24 23:47	1
Ethylbenzene	<0.000996	U	0.000996	0.000303	mg/Kg		02/05/24 10:43	02/07/24 23:47	1
m,p-Xylenes	<0.00199	U	0.00199	0.000431	mg/Kg		02/05/24 10:43	02/07/24 23:47	1
o-Xylene	<0.000996	U	0.000996	0.000315	mg/Kg		02/05/24 10:43	02/07/24 23:47	1
Xylenes, Total	<0.00199	U	0.00199	0.000431	mg/Kg		02/05/24 10:43	02/07/24 23:47	1

Client Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S5 6"

Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 6"

Lab Sample ID: 890-6105-8

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		56 - 150	02/05/24 10:43	02/07/24 23:47	1
4-Bromofluorobenzene (Surr)	98		68 - 152	02/05/24 10:43	02/07/24 23:47	1
Dibromofluoromethane (Surr)	98		53 - 142	02/05/24 10:43	02/07/24 23:47	1
Toluene-d8 (Surr)	96		70 - 130	02/05/24 10:43	02/07/24 23:47	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00199	U	0.00199	0.000431	mg/Kg			02/07/24 23:47	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**39.0**	**J**	49.9	21.1	mg/Kg			02/15/24 06:54	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	21.1	mg/Kg		02/06/24 14:33	02/15/24 06:54	1
Diesel Range Organics (Over C10-C28)	**39.0**	**J**	49.9	21.1	mg/Kg		02/06/24 14:33	02/15/24 06:54	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9	21.1	mg/Kg		02/06/24 14:33	02/15/24 06:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		65 - 130	02/06/24 14:33	02/15/24 06:54	1
o-Terphenyl	108		65 - 130	02/06/24 14:33	02/15/24 06:54	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1680**		25.0	1.97	mg/Kg			02/22/24 14:46	5

Client Sample ID: S6 SURFACE

Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 0'

Lab Sample ID: 890-6105-9

Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	0.000384	mg/Kg		02/05/24 10:43	02/05/24 19:12	1
Toluene	<0.00502	U	0.00502	0.00122	mg/Kg		02/05/24 10:43	02/05/24 19:12	1
Ethylbenzene	<0.00100	U	0.00100	0.000306	mg/Kg		02/05/24 10:43	02/05/24 19:12	1
m,p-Xylenes	<0.00201	U	0.00201	0.000435	mg/Kg		02/05/24 10:43	02/05/24 19:12	1
o-Xylene	<0.00100	U	0.00100	0.000317	mg/Kg		02/05/24 10:43	02/05/24 19:12	1
Xylenes, Total	<0.00201	U	0.00201	0.000435	mg/Kg		02/05/24 10:43	02/05/24 19:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		56 - 150	02/05/24 10:43	02/05/24 19:12	1
4-Bromofluorobenzene (Surr)	98		68 - 152	02/05/24 10:43	02/05/24 19:12	1
Dibromofluoromethane (Surr)	100		53 - 142	02/05/24 10:43	02/05/24 19:12	1
Toluene-d8 (Surr)	96		70 - 130	02/05/24 10:43	02/05/24 19:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201	0.000435	mg/Kg			02/05/24 19:12	1

Client Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S6 SURFACE

Lab Sample ID: 890-6105-9
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 0'

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	21.1	mg/Kg			02/13/24 00:03	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/13/24 00:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/13/24 00:03	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/13/24 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*79*		*65 - 130*	*02/06/24 14:33*	*02/13/24 00:03*	*1*
o-Terphenyl	*93*		*65 - 130*	*02/06/24 14:33*	*02/13/24 00:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2980**	**F1**	25.1	1.98	mg/Kg			02/22/24 14:24	5

Client Sample ID: S6 1'

Lab Sample ID: 890-6105-10
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 1'

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	0.000383	mg/Kg		02/05/24 10:43	02/05/24 19:34	1
Toluene	<0.00500	U	0.00500	0.00121	mg/Kg		02/05/24 10:43	02/05/24 19:34	1
Ethylbenzene	<0.00100	U	0.00100	0.000304	mg/Kg		02/05/24 10:43	02/05/24 19:34	1
m,p-Xylenes	<0.00200	U	0.00200	0.000433	mg/Kg		02/05/24 10:43	02/05/24 19:34	1
o-Xylene	<0.00100	U	0.00100	0.000316	mg/Kg		02/05/24 10:43	02/05/24 19:34	1
Xylenes, Total	<0.00200	U	0.00200	0.000433	mg/Kg		02/05/24 10:43	02/05/24 19:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*56 - 150*	*02/05/24 10:43*	*02/05/24 19:34*	*1*
4-Bromofluorobenzene (Surr)	*94*		*68 - 152*	*02/05/24 10:43*	*02/05/24 19:34*	*1*
Dibromofluoromethane (Surr)	*99*		*53 - 142*	*02/05/24 10:43*	*02/05/24 19:34*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*02/05/24 10:43*	*02/05/24 19:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.000433	mg/Kg			02/05/24 19:34	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	21.0	mg/Kg			02/12/24 23:43	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9	21.0	mg/Kg		02/06/24 14:33	02/12/24 23:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9	21.0	mg/Kg		02/06/24 14:33	02/12/24 23:43	1

Eurofins Carlsbad

Client Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S6 1'

Lab Sample ID: 890-6105-10
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 1'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oll Range Organics (Over C28-C36)	<49.9	U	49.9	21.0	mg/Kg		02/06/24 14:33	02/12/24 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*65 - 130*	*02/06/24 14:33*	*02/12/24 23:43*	*1*
o-Terphenyl	*113*		*65 - 130*	*02/06/24 14:33*	*02/12/24 23:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**388**		4.99	0.394	mg/Kg			02/22/24 14:38	1

Client Sample ID: S7 SURFACE

Lab Sample ID: 890-6105-11
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 0'

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101	0.000386	mg/Kg		02/05/24 10:43	02/05/24 19:55	1
Toluene	<0.00504	U	0.00504	0.00122	mg/Kg		02/05/24 10:43	02/05/24 19:55	1
Ethylbenzene	<0.00101	U	0.00101	0.000307	mg/Kg		02/05/24 10:43	02/05/24 19:55	1
m,p-Xylenes	<0.00202	U	0.00202	0.000436	mg/Kg		02/05/24 10:43	02/05/24 19:55	1
o-Xylene	<0.00101	U	0.00101	0.000319	mg/Kg		02/05/24 10:43	02/05/24 19:55	1
Xylenes, Total	<0.00202	U	0.00202	0.000436	mg/Kg		02/05/24 10:43	02/05/24 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*56 - 150*	*02/05/24 10:43*	*02/05/24 19:55*	*1*
4-Bromofluorobenzene (Surr)	*97*		*68 - 152*	*02/05/24 10:43*	*02/05/24 19:55*	*1*
Dibromofluoromethane (Surr)	*99*		*53 - 142*	*02/05/24 10:43*	*02/05/24 19:55*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*	*02/05/24 10:43*	*02/05/24 19:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00202	U	0.00202	0.000436	mg/Kg			02/05/24 19:55	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	21.1	mg/Kg			02/12/24 23:23	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/12/24 23:23	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/12/24 23:23	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/12/24 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*65 - 130*	*02/06/24 14:33*	*02/12/24 23:23*	*1*
o-Terphenyl	*123*		*65 - 130*	*02/06/24 14:33*	*02/12/24 23:23*	*1*

Client Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S7 SURFACE

Lab Sample ID: 890-6105-11
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 0'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	685		4.97	0.393	mg/Kg			02/22/24 14:43	1

Client Sample ID: S7 1'

Lab Sample ID: 890-6105-12
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 1'

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	0.000383	mg/Kg		02/05/24 10:43	02/05/24 23:54	1
Toluene	<0.00501	U	0.00501	0.00121	mg/Kg		02/05/24 10:43	02/05/24 23:54	1
Ethylbenzene	<0.00100	U	0.00100	0.000305	mg/Kg		02/05/24 10:43	02/05/24 23:54	1
m,p-Xylenes	<0.00200	U	0.00200	0.000434	mg/Kg		02/05/24 10:43	02/05/24 23:54	1
o-Xylene	<0.00100	U	0.00100	0.000317	mg/Kg		02/05/24 10:43	02/05/24 23:54	1
Xylenes, Total	<0.00200	U	0.00200	0.000434	mg/Kg		02/05/24 10:43	02/05/24 23:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*56 - 150*	*02/05/24 10:43*	*02/05/24 23:54*	*1*
4-Bromofluorobenzene (Surr)	*95*		*68 - 152*	*02/05/24 10:43*	*02/05/24 23:54*	*1*
Dibromofluoromethane (Surr)	*92*		*53 - 142*	*02/05/24 10:43*	*02/05/24 23:54*	*1*
Toluene-d8 (Surr)	*95*		*70 - 130*	*02/05/24 10:43*	*02/05/24 23:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200	0.000434	mg/Kg			02/05/24 23:54	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	21.1	mg/Kg			02/12/24 23:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/12/24 23:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/12/24 23:02	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/12/24 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*65 - 130*	*02/06/24 14:33*	*02/12/24 23:02*	*1*
o-Terphenyl	*121*		*65 - 130*	*02/06/24 14:33*	*02/12/24 23:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	535		4.98	0.393	mg/Kg			02/22/24 14:48	1

Client Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S8 SURFACE

Lab Sample ID: 890-6105-13
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 0'

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101	0.000386	mg/Kg		02/05/24 10:43	02/06/24 00:15	1
Toluene	<0.00505	U	0.00505	0.00122	mg/Kg		02/05/24 10:43	02/06/24 00:15	1
Ethylbenzene	<0.00101	U	0.00101	0.000307	mg/Kg		02/05/24 10:43	02/06/24 00:15	1
m,p-Xylenes	<0.00202	U	0.00202	0.000437	mg/Kg		02/05/24 10:43	02/06/24 00:15	1
o-Xylene	<0.00101	U	0.00101	0.000319	mg/Kg		02/05/24 10:43	02/06/24 00:15	1
Xylenes, Total	<0.00202	U	0.00202	0.000437	mg/Kg		02/05/24 10:43	02/06/24 00:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*56 - 150*	*02/05/24 10:43*	*02/06/24 00:15*	*1*
4-Bromofluorobenzene (Surr)	*98*		*68 - 152*	*02/05/24 10:43*	*02/06/24 00:15*	*1*
Dibromofluoromethane (Surr)	*96*		*53 - 142*	*02/05/24 10:43*	*02/06/24 00:15*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*	*02/05/24 10:43*	*02/06/24 00:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00202	U	0.00202	0.000437	mg/Kg			02/06/24 00:15	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**28.8**	**J**	49.8	21.0	mg/Kg			02/15/24 04:55	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	21.0	mg/Kg		02/06/24 14:33	02/15/24 04:55	1
Diesel Range Organics (Over C10-C28)	**28.8**	**J**	49.8	21.0	mg/Kg		02/06/24 14:33	02/15/24 04:55	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	21.0	mg/Kg		02/06/24 14:33	02/15/24 04:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*94*		*65 - 130*	*02/06/24 14:33*	*02/15/24 04:55*	*1*
o-Terphenyl	*107*		*65 - 130*	*02/06/24 14:33*	*02/15/24 04:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2160**		25.1	1.98	mg/Kg			02/22/24 14:52	5

Client Sample ID: S8 1'

Lab Sample ID: 890-6105-14
Matrix: Solid
Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 1'

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	0.000384	mg/Kg		02/05/24 10:43	02/06/24 00:35	1
Toluene	<0.00502	U	0.00502	0.00122	mg/Kg		02/05/24 10:43	02/06/24 00:35	1
Ethylbenzene	<0.00100	U	0.00100	0.000306	mg/Kg		02/05/24 10:43	02/06/24 00:35	1
m,p-Xylenes	<0.00201	U	0.00201	0.000435	mg/Kg		02/05/24 10:43	02/06/24 00:35	1
o-Xylene	<0.00100	U	0.00100	0.000317	mg/Kg		02/05/24 10:43	02/06/24 00:35	1
Xylenes, Total	<0.00201	U	0.00201	0.000435	mg/Kg		02/05/24 10:43	02/06/24 00:35	1

Client Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S8 1'

Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39
Sample Depth: 1'

Lab Sample ID: 890-6105-14

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*56 - 150*	*02/05/24 10:43*	*02/06/24 00:35*	*1*
4-Bromofluorobenzene (Surr)	*97*		*68 - 152*	*02/05/24 10:43*	*02/06/24 00:35*	*1*
Dibromofluoromethane (Surr)	*92*		*53 - 142*	*02/05/24 10:43*	*02/06/24 00:35*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*	*02/05/24 10:43*	*02/06/24 00:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00201	U	0.00201	0.000435	mg/Kg			02/06/24 00:35	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**57.3**		49.8	21.0	mg/Kg			02/15/24 04:35	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8	21.0	mg/Kg		02/06/24 14:33	02/15/24 04:35	1
Diesel Range Organics (Over C10-C28)	**57.3**		49.8	21.0	mg/Kg		02/06/24 14:33	02/15/24 04:35	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8	21.0	mg/Kg		02/06/24 14:33	02/15/24 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*65 - 130*	*02/06/24 14:33*	*02/15/24 04:35*	*1*
o-Terphenyl	*107*		*65 - 130*	*02/06/24 14:33*	*02/15/24 04:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**338**		5.03	0.397	mg/Kg			02/22/24 15:06	1

Surrogate Summary

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Method: 8260D - Volatile Organic Compounds by GC/MS

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-150)	(68-152)	(53-142)	(70-130)
890-6105-1	S1 SURFACE	115	95	102	98
890-6105-1 MS	S1 SURFACE	109	99	105	97
890-6105-2	S2 SURFACE	109	93	99	94
890-6105-3	S2 1'	111	94	100	97
890-6105-4	S3 SURFACE	113	96	99	93
890-6105-5	S3 1'	110	97	98	95
890-6105-6	S4 SURFACE	116	93	100	93
890-6105-7	S5 SURFACE	110	96	100	95
890-6105-8	S5 6"	107	98	98	96
890-6105-9	S6 SURFACE	110	98	100	96
890-6105-10	S6 1'	110	94	99	95
890-6105-11	S7 SURFACE	116	97	99	94
890-6105-12	S7 1'	91	95	92	95
890-6105-13	S8 SURFACE	89	98	96	96
890-6105-14	S8 1'	92	97	92	98
LCS 860-143756/3	Lab Control Sample	106	97	102	97
LCS 860-143861/3	Lab Control Sample	121	97	106	100
LCS 860-144297/3	Lab Control Sample	99	97	99	98
LCSD 860-143756/4	Lab Control Sample Dup	107	93	102	98
LCSD 860-143861/4	Lab Control Sample Dup	117	97	101	101
LCSD 860-144297/4	Lab Control Sample Dup	100	97	100	97
MB 860-143756/9	Method Blank	106	96	97	96
MB 860-143861/7	Method Blank	87	96	85	97
MB 860-144297/7	Method Blank	108	95	101	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

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

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

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(65-130)	(65-130)
890-6105-1	S1 SURFACE	102	550 S1+
890-6105-2	S2 SURFACE	111	118
890-6105-3	S2 1'	112	115
890-6105-4	S3 SURFACE	111	119
890-6105-5	S3 1'	112	120
890-6105-6	S4 SURFACE	111	117
890-6105-7	S5 SURFACE	95	100
890-6105-8	S5 6"	95	108
890-6105-9	S6 SURFACE	79	93
890-6105-10	S6 1'	101	113
890-6105-11	S7 SURFACE	110	123
890-6105-12	S7 1'	108	121
890-6105-13	S8 SURFACE	94	107

Surrogate Summary

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID	(65-130)	(65-130)								
890-6105-14	S8 1'	96	107								
LCS 860-144058/2-A	Lab Control Sample	95	93								
LCS 860-144059/2-A	Lab Control Sample	104	100								
LCS 860-144059/2-A	Lab Control Sample	100	100								
LCSD 860-144059/3-A	Lab Control Sample Dup	101	97								
MB 860-144058/1-A	Method Blank	97	99								
MB 860-144059/1-A	Method Blank	93	97								
MB 860-144059/1-A	Method Blank	99	96								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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

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

		Percent Surrogate Recovery (Acceptance Limits)									
		1CO1	OTPH1								
Lab Sample ID	Client Sample ID										
LCSD 860-144058/3-A	Lab Control Sample Dup										
LCSD 860-144059/3-A	Lab Control Sample Dup										

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 860-143756/9
Matrix: Solid
Analysis Batch: 143756

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	0.000383	mg/Kg			02/05/24 12:11	1
Toluene	<0.00500	U	0.00500	0.00121	mg/Kg			02/05/24 12:11	1
Ethylbenzene	<0.00100	U	0.00100	0.000304	mg/Kg			02/05/24 12:11	1
m,p-Xylenes	<0.00200	U	0.00200	0.000433	mg/Kg			02/05/24 12:11	1
o-Xylene	<0.00100	U	0.00100	0.000316	mg/Kg			02/05/24 12:11	1
Xylenes, Total	<0.00200	U	0.00200	0.000433	mg/Kg			02/05/24 12:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*56 - 150*		*02/05/24 12:11*	*1*
4-Bromofluorobenzene (Surr)	*96*		*68 - 152*		*02/05/24 12:11*	*1*
Dibromofluoromethane (Surr)	*97*		*53 - 142*		*02/05/24 12:11*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*02/05/24 12:11*	*1*

Lab Sample ID: LCS 860-143756/3
Matrix: Solid
Analysis Batch: 143756

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.0500	0.04945		mg/Kg		99	66 - 142		
Toluene			0.0500	0.04908		mg/Kg		98	74 - 130		
Ethylbenzene			0.0500	0.05079		mg/Kg		102	80 - 130		
m,p-Xylenes			0.0500	0.05293		mg/Kg		106	78 - 130		
o-Xylene			0.0500	0.05163		mg/Kg		103	79 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*56 - 150*
4-Bromofluorobenzene (Surr)	*97*		*68 - 152*
Dibromofluoromethane (Surr)	*102*		*53 - 142*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: LCSD 860-143756/4
Matrix: Solid
Analysis Batch: 143756

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0500	0.05359		mg/Kg		107	66 - 142	8	25
Toluene			0.0500	0.05307		mg/Kg		106	74 - 130	8	25
Ethylbenzene			0.0500	0.05489		mg/Kg		110	80 - 130	8	25
m,p-Xylenes			0.0500	0.05552		mg/Kg		111	78 - 130	5	25
o-Xylene			0.0500	0.05561		mg/Kg		111	79 - 130	7	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*56 - 150*
4-Bromofluorobenzene (Surr)	*93*		*68 - 152*
Dibromofluoromethane (Surr)	*102*		*53 - 142*
Toluene-d8 (Surr)	*98*		*70 - 130*

QC Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

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

Lab Sample ID: 890-6105-1 MS
Matrix: Solid
Analysis Batch: 143756

Client Sample ID: S1 SURFACE
Prep Type: Total/NA
Prep Batch: 143799

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000994	U	0.0503	0.03581		mg/Kg		71	71 - 119
Toluene	<0.00497	U	0.0503	0.03722		mg/Kg		74	74 - 122
Ethylbenzene	<0.000994	U F1	0.0503	0.03702	F1	mg/Kg		74	80 - 123
m,p-Xylenes	<0.00199	U F1	0.0503	0.03662	F1	mg/Kg		73	78 - 127
o-Xylene	<0.000994	U F1	0.0503	0.03851	F1	mg/Kg		77	79 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*56 - 150*
4-Bromofluorobenzene (Surr)	*99*		*68 - 152*
Dibromofluoromethane (Surr)	*105*		*53 - 142*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: MB 860-143861/7
Matrix: Solid
Analysis Batch: 143861

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	0.000383	mg/Kg			02/05/24 21:10	1
Toluene	<0.00500	U	0.00500	0.00121	mg/Kg			02/05/24 21:10	1
Ethylbenzene	<0.00100	U	0.00100	0.000304	mg/Kg			02/05/24 21:10	1
m,p-Xylenes	<0.00200	U	0.00200	0.000433	mg/Kg			02/05/24 21:10	1
o-Xylene	<0.00100	U	0.00100	0.000316	mg/Kg			02/05/24 21:10	1
Xylenes, Total	<0.00200	U	0.00200	0.000433	mg/Kg			02/05/24 21:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*56 - 150*		*02/05/24 21:10*	*1*
4-Bromofluorobenzene (Surr)	*96*		*68 - 152*		*02/05/24 21:10*	*1*
Dibromofluoromethane (Surr)	*85*		*53 - 142*		*02/05/24 21:10*	*1*
Toluene-d8 (Surr)	*97*		*70 - 130*		*02/05/24 21:10*	*1*

Lab Sample ID: LCS 860-143861/3
Matrix: Solid
Analysis Batch: 143861

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.0500	0.04107		mg/Kg		82	66 - 142
Toluene	0.0500	0.04108		mg/Kg		82	74 - 130
Ethylbenzene	0.0500	0.04317		mg/Kg		86	80 - 130
m,p-Xylenes	0.0500	0.04157		mg/Kg		83	78 - 130
o-Xylene	0.0500	0.04275		mg/Kg		85	79 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*121*		*56 - 150*
4-Bromofluorobenzene (Surr)	*97*		*68 - 152*
Dibromofluoromethane (Surr)	*106*		*53 - 142*
Toluene-d8 (Surr)	*100*		*70 - 130*

QC Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

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

Lab Sample ID: LCSD 860-143861/4
Matrix: Solid
Analysis Batch: 143861

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0500	0.04268		mg/Kg		85	66 - 142	4	25
Toluene			0.0500	0.04272		mg/Kg		85	74 - 130	4	25
Ethylbenzene			0.0500	0.04473		mg/Kg		89	80 - 130	4	25
m,p-Xylenes			0.0500	0.04306		mg/Kg		86	78 - 130	4	25
o-Xylene			0.0500	0.04426		mg/Kg		89	79 - 130	3	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*117*		*56 - 150*
4-Bromofluorobenzene (Surr)	*97*		*68 - 152*
Dibromofluoromethane (Surr)	*101*		*53 - 142*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 860-144297/7
Matrix: Solid
Analysis Batch: 144297

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100	0.000383	mg/Kg			02/07/24 23:25	1
Toluene	<0.00500	U	0.00500	0.00121	mg/Kg			02/07/24 23:25	1
Ethylbenzene	<0.00100	U	0.00100	0.000304	mg/Kg			02/07/24 23:25	1
m,p-Xylenes	<0.00200	U	0.00200	0.000433	mg/Kg			02/07/24 23:25	1
o-Xylene	<0.00100	U	0.00100	0.000316	mg/Kg			02/07/24 23:25	1
Xylenes, Total	<0.00200	U	0.00200	0.000433	mg/Kg			02/07/24 23:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*56 - 150*		*02/07/24 23:25*	*1*
4-Bromofluorobenzene (Surr)	*95*		*68 - 152*		*02/07/24 23:25*	*1*
Dibromofluoromethane (Surr)	*101*		*53 - 142*		*02/07/24 23:25*	*1*
Toluene-d8 (Surr)	*96*		*70 - 130*		*02/07/24 23:25*	*1*

Lab Sample ID: LCS 860-144297/3
Matrix: Solid
Analysis Batch: 144297

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.0500	0.04808		mg/Kg		96	66 - 142
Toluene			0.0500	0.04941		mg/Kg		99	74 - 130
Ethylbenzene			0.0500	0.05028		mg/Kg		101	80 - 130
m,p-Xylenes			0.0500	0.05169		mg/Kg		103	78 - 130
o-Xylene			0.0500	0.05173		mg/Kg		103	79 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*56 - 150*
4-Bromofluorobenzene (Surr)	*97*		*68 - 152*
Dibromofluoromethane (Surr)	*99*		*53 - 142*
Toluene-d8 (Surr)	*98*		*70 - 130*

QC Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

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

Lab Sample ID: LCSD 860-144297/4
Matrix: Solid
Analysis Batch: 144297

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.0500	0.04561		mg/Kg		91	66 - 142	5	25
Toluene			0.0500	0.04485		mg/Kg		90	74 - 130	10	25
Ethylbenzene			0.0500	0.04608		mg/Kg		92	80 - 130	9	25
m,p-Xylenes			0.0500	0.04657		mg/Kg		93	78 - 130	10	25
o-Xylene			0.0500	0.04869		mg/Kg		97	79 - 130	6	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*56 - 150*
4-Bromofluorobenzene (Surr)	*97*		*68 - 152*
Dibromofluoromethane (Surr)	*100*		*53 - 142*
Toluene-d8 (Surr)	*97*		*70 - 130*

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

Lab Sample ID: MB 860-144058/1-A
Matrix: Solid
Analysis Batch: 144155

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 144058

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:30	02/07/24 11:37	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:30	02/07/24 11:37	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:30	02/07/24 11:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*65 - 130*	*02/06/24 14:30*	*02/07/24 11:37*	*1*
o-Terphenyl	*99*		*65 - 130*	*02/06/24 14:30*	*02/07/24 11:37*	*1*

Lab Sample ID: LCS 860-144058/2-A
Matrix: Solid
Analysis Batch: 144155

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 144058

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	865.1		mg/Kg		87	70 - 135		
Diesel Range Organics (Over C10-C28)			1000	969.1		mg/Kg		97	70 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*95*		*65 - 130*
o-Terphenyl	*93*		*65 - 130*

QC Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

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

Lab Sample ID: LCSD 860-144058/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 144155 — **Prep Batch: 144058**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	905.2		mg/Kg					
Diesel Range Organics (Over C10-C28)			1000	998.0		mg/Kg					

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane			
o-Terphenyl			

Lab Sample ID: MB 860-144059/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 144414 — **Prep Batch: 144059**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/08/24 20:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/08/24 20:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/08/24 20:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*65 - 130*	*02/06/24 14:33*	*02/08/24 20:00*	*1*
o-Terphenyl	*97*		*65 - 130*	*02/06/24 14:33*	*02/08/24 20:00*	*1*

Lab Sample ID: MB 860-144059/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 145027 — **Prep Batch: 144059**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/13/24 14:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/13/24 14:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0	21.1	mg/Kg		02/06/24 14:33	02/13/24 14:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*65 - 130*	*02/06/24 14:33*	*02/13/24 14:36*	*1*
o-Terphenyl	*96*		*65 - 130*	*02/06/24 14:33*	*02/13/24 14:36*	*1*

Lab Sample ID: LCS 860-144059/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 144414 — **Prep Batch: 144059**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	953.6		mg/Kg		95	70 - 135
Diesel Range Organics (Over C10-C28)			1000	1041		mg/Kg		104	70 - 135

QC Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

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

Lab Sample ID: LCS 860-144059/2-A
Matrix: Solid
Analysis Batch: 144414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 144059

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	104		65 - 130
o-Terphenyl	100		65 - 130

Lab Sample ID: LCS 860-144059/2-A
Matrix: Solid
Analysis Batch: 145027

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 144059

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	973.5		mg/Kg		97	70 - 135		
Diesel Range Organics (Over C10-C28)			1000	1102		mg/Kg		110	70 - 135		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	100		65 - 130
o-Terphenyl	100		65 - 130

Lab Sample ID: LCSD 860-144059/3-A
Matrix: Solid
Analysis Batch: 144414

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 144059

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	711.1		mg/Kg					
Diesel Range Organics (Over C10-C28)			1000	841.9		mg/Kg					

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane			
o-Terphenyl			

Lab Sample ID: LCSD 860-144059/3-A
Matrix: Solid
Analysis Batch: 145027

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 144059

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	965.5		mg/Kg		97	70 - 135	1	35
Diesel Range Organics (Over C10-C28)			1000	1096		mg/Kg		110	70 - 135	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	101		65 - 130
o-Terphenyl	97		65 - 130

QC Sample Results

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-73751/1-A
Matrix: Solid
Analysis Batch: 73838

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.395	mg/Kg			02/22/24 08:11	1

Lab Sample ID: LCS 880-73751/2-A
Matrix: Solid
Analysis Batch: 73838

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	237.5		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-73751/3-A
Matrix: Solid
Analysis Batch: 73838

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	239.2		mg/Kg		96	90 - 110	1	20

Lab Sample ID: MB 880-73835/1-A
Matrix: Solid
Analysis Batch: 73860

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	0.395	mg/Kg			02/22/24 14:10	1

Lab Sample ID: LCS 880-73835/2-A
Matrix: Solid
Analysis Batch: 73860

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	225.9		mg/Kg		90	90 - 110		

Lab Sample ID: LCSD 880-73835/3-A
Matrix: Solid
Analysis Batch: 73860

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	227.4		mg/Kg		91	90 - 110	1	20

Lab Sample ID: 890-6105-9 MS
Matrix: Solid
Analysis Batch: 73860

Client Sample ID: S6 SURFACE
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2980	F1	1260	4386	F1	mg/Kg		112	90 - 110		

Lab Sample ID: 890-6105-9 MSD
Matrix: Solid
Analysis Batch: 73860

Client Sample ID: S6 SURFACE
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2980	F1	1260	4408	F1	mg/Kg		114	90 - 110	1	20

QC Association Summary

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

GC/MS VOA

Analysis Batch: 143756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-1	S1 SURFACE	Total/NA	Solid	8260D	143799
890-6105-2	S2 SURFACE	Total/NA	Solid	8260D	143799
890-6105-3	S2 1'	Total/NA	Solid	8260D	143799
890-6105-4	S3 SURFACE	Total/NA	Solid	8260D	143799
890-6105-5	S3 1'	Total/NA	Solid	8260D	143799
890-6105-6	S4 SURFACE	Total/NA	Solid	8260D	143799
890-6105-7	S5 SURFACE	Total/NA	Solid	8260D	143799
890-6105-9	S6 SURFACE	Total/NA	Solid	8260D	143799
890-6105-10	S6 1'	Total/NA	Solid	8260D	143799
890-6105-11	S7 SURFACE	Total/NA	Solid	8260D	143799
MB 860-143756/9	Method Blank	Total/NA	Solid	8260D	
LCS 860-143756/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 860-143756/4	Lab Control Sample Dup	Total/NA	Solid	8260D	
890-6105-1 MS	S1 SURFACE	Total/NA	Solid	8260D	143799

Prep Batch: 143799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-1	S1 SURFACE	Total/NA	Solid	5035	
890-6105-2	S2 SURFACE	Total/NA	Solid	5035	
890-6105-3	S2 1'	Total/NA	Solid	5035	
890-6105-4	S3 SURFACE	Total/NA	Solid	5035	
890-6105-5	S3 1'	Total/NA	Solid	5035	
890-6105-6	S4 SURFACE	Total/NA	Solid	5035	
890-6105-7	S5 SURFACE	Total/NA	Solid	5035	
890-6105-8	S5 6"	Total/NA	Solid	5035	
890-6105-9	S6 SURFACE	Total/NA	Solid	5035	
890-6105-10	S6 1'	Total/NA	Solid	5035	
890-6105-11	S7 SURFACE	Total/NA	Solid	5035	
890-6105-12	S7 1'	Total/NA	Solid	5035	
890-6105-13	S8 SURFACE	Total/NA	Solid	5035	
890-6105-14	S8 1'	Total/NA	Solid	5035	
890-6105-1 MS	S1 SURFACE	Total/NA	Solid	5035	

Analysis Batch: 143861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-12	S7 1'	Total/NA	Solid	8260D	143799
890-6105-13	S8 SURFACE	Total/NA	Solid	8260D	143799
890-6105-14	S8 1'	Total/NA	Solid	8260D	143799
MB 860-143861/7	Method Blank	Total/NA	Solid	8260D	
LCS 860-143861/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 860-143861/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 144240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-1	S1 SURFACE	Total/NA	Solid	Total BTEX	
890-6105-2	S2 SURFACE	Total/NA	Solid	Total BTEX	
890-6105-3	S2 1'	Total/NA	Solid	Total BTEX	
890-6105-4	S3 SURFACE	Total/NA	Solid	Total BTEX	
890-6105-5	S3 1'	Total/NA	Solid	Total BTEX	
890-6105-6	S4 SURFACE	Total/NA	Solid	Total BTEX	
890-6105-7	S5 SURFACE	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

GC/MS VOA (Continued)

Analysis Batch: 144240 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-9	S6 SURFACE	Total/NA	Solid	Total BTEX	
890-6105-10	S6 1'	Total/NA	Solid	Total BTEX	
890-6105-11	S7 SURFACE	Total/NA	Solid	Total BTEX	
890-6105-12	S7 1'	Total/NA	Solid	Total BTEX	
890-6105-13	S8 SURFACE	Total/NA	Solid	Total BTEX	
890-6105-14	S8 1'	Total/NA	Solid	Total BTEX	

Analysis Batch: 144297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-8	S5 6"	Total/NA	Solid	8260D	143799
MB 860-144297/7	Method Blank	Total/NA	Solid	8260D	
LCS 860-144297/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 860-144297/4	Lab Control Sample Dup	Total/NA	Solid	8260D	

Analysis Batch: 144467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-8	S5 6"	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 143859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-1	S1 SURFACE	Total/NA	Solid	8015 NM	
890-6105-2	S2 SURFACE	Total/NA	Solid	8015 NM	
890-6105-3	S2 1'	Total/NA	Solid	8015 NM	
890-6105-4	S3 SURFACE	Total/NA	Solid	8015 NM	
890-6105-5	S3 1'	Total/NA	Solid	8015 NM	
890-6105-6	S4 SURFACE	Total/NA	Solid	8015 NM	
890-6105-7	S5 SURFACE	Total/NA	Solid	8015 NM	
890-6105-8	S5 6"	Total/NA	Solid	8015 NM	
890-6105-9	S6 SURFACE	Total/NA	Solid	8015 NM	
890-6105-10	S6 1'	Total/NA	Solid	8015 NM	
890-6105-11	S7 SURFACE	Total/NA	Solid	8015 NM	
890-6105-12	S7 1'	Total/NA	Solid	8015 NM	
890-6105-13	S8 SURFACE	Total/NA	Solid	8015 NM	
890-6105-14	S8 1'	Total/NA	Solid	8015 NM	

Prep Batch: 144058

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-1	S1 SURFACE	Total/NA	Solid	8015NM Prep	
890-6105-2	S2 SURFACE	Total/NA	Solid	8015NM Prep	
890-6105-3	S2 1'	Total/NA	Solid	8015NM Prep	
890-6105-4	S3 SURFACE	Total/NA	Solid	8015NM Prep	
890-6105-5	S3 1'	Total/NA	Solid	8015NM Prep	
890-6105-6	S4 SURFACE	Total/NA	Solid	8015NM Prep	
890-6105-7	S5 SURFACE	Total/NA	Solid	8015NM Prep	
MB 860-144058/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 860-144058/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 860-144058/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

GC Semi VOA

Prep Batch: 144059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-8	S5 6"	Total/NA	Solid	8015NM Prep	
890-6105-9	S6 SURFACE	Total/NA	Solid	8015NM Prep	
890-6105-10	S6 1'	Total/NA	Solid	8015NM Prep	
890-6105-11	S7 SURFACE	Total/NA	Solid	8015NM Prep	
890-6105-12	S7 1'	Total/NA	Solid	8015NM Prep	
890-6105-13	S8 SURFACE	Total/NA	Solid	8015NM Prep	
890-6105-14	S8 1'	Total/NA	Solid	8015NM Prep	
MB 860-144059/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 860-144059/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 860-144059/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 144155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-144058/1-A	Method Blank	Total/NA	Solid	8015B NM	144058
LCS 860-144058/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	144058
LCSD 860-144058/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	144058

Analysis Batch: 144157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-1	S1 SURFACE	Total/NA	Solid	8015B NM	144058
890-6105-2	S2 SURFACE	Total/NA	Solid	8015B NM	144058
890-6105-3	S2 1'	Total/NA	Solid	8015B NM	144058
890-6105-4	S3 SURFACE	Total/NA	Solid	8015B NM	144058
890-6105-5	S3 1'	Total/NA	Solid	8015B NM	144058
890-6105-6	S4 SURFACE	Total/NA	Solid	8015B NM	144058
890-6105-7	S5 SURFACE	Total/NA	Solid	8015B NM	144058

Analysis Batch: 144414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-144059/1-A	Method Blank	Total/NA	Solid	8015B NM	144059
LCS 860-144059/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	144059
LCSD 860-144059/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	144059

Analysis Batch: 144834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-9	S6 SURFACE	Total/NA	Solid	8015B NM	144059
890-6105-10	S6 1'	Total/NA	Solid	8015B NM	144059
890-6105-11	S7 SURFACE	Total/NA	Solid	8015B NM	144059
890-6105-12	S7 1'	Total/NA	Solid	8015B NM	144059

Analysis Batch: 145027

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 860-144059/1-A	Method Blank	Total/NA	Solid	8015B NM	144059
LCS 860-144059/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	144059
LCSD 860-144059/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	144059

Analysis Batch: 145251

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-8	S5 6"	Total/NA	Solid	8015B NM	144059
890-6105-13	S8 SURFACE	Total/NA	Solid	8015B NM	144059
890-6105-14	S8 1'	Total/NA	Solid	8015B NM	144059

QC Association Summary

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

HPLC/IC

Leach Batch: 73751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-1	S1 SURFACE	Soluble	Solid	DI Leach	
890-6105-2	S2 SURFACE	Soluble	Solid	DI Leach	
890-6105-3	S2 1'	Soluble	Solid	DI Leach	
890-6105-4	S3 SURFACE	Soluble	Solid	DI Leach	
890-6105-5	S3 1'	Soluble	Solid	DI Leach	
890-6105-6	S4 SURFACE	Soluble	Solid	DI Leach	
890-6105-7	S5 SURFACE	Soluble	Solid	DI Leach	
890-6105-8	S5 6"	Soluble	Solid	DI Leach	
MB 880-73751/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-73751/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-73751/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 73835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-9	S6 SURFACE	Soluble	Solid	DI Leach	
890-6105-10	S6 1'	Soluble	Solid	DI Leach	
890-6105-11	S7 SURFACE	Soluble	Solid	DI Leach	
890-6105-12	S7 1'	Soluble	Solid	DI Leach	
890-6105-13	S8 SURFACE	Soluble	Solid	DI Leach	
890-6105-14	S8 1'	Soluble	Solid	DI Leach	
MB 880-73835/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-73835/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-73835/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6105-9 MS	S6 SURFACE	Soluble	Solid	DI Leach	
890-6105-9 MSD	S6 SURFACE	Soluble	Solid	DI Leach	

Analysis Batch: 73838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-1	S1 SURFACE	Soluble	Solid	300.0	73751
890-6105-2	S2 SURFACE	Soluble	Solid	300.0	73751
890-6105-3	S2 1'	Soluble	Solid	300.0	73751
890-6105-4	S3 SURFACE	Soluble	Solid	300.0	73751
890-6105-5	S3 1'	Soluble	Solid	300.0	73751
890-6105-6	S4 SURFACE	Soluble	Solid	300.0	73751
890-6105-7	S5 SURFACE	Soluble	Solid	300.0	73751
890-6105-8	S5 6"	Soluble	Solid	300.0	73751
MB 880-73751/1-A	Method Blank	Soluble	Solid	300.0	73751
LCS 880-73751/2-A	Lab Control Sample	Soluble	Solid	300.0	73751
LCSD 880-73751/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	73751

Analysis Batch: 73860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-9	S6 SURFACE	Soluble	Solid	300.0	73835
890-6105-10	S6 1'	Soluble	Solid	300.0	73835
890-6105-11	S7 SURFACE	Soluble	Solid	300.0	73835
890-6105-12	S7 1'	Soluble	Solid	300.0	73835
890-6105-13	S8 SURFACE	Soluble	Solid	300.0	73835
890-6105-14	S8 1'	Soluble	Solid	300.0	73835
MB 880-73835/1-A	Method Blank	Soluble	Solid	300.0	73835
LCS 880-73835/2-A	Lab Control Sample	Soluble	Solid	300.0	73835
LCSD 880-73835/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	73835

QC Association Summary

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

HPLC/IC (Continued)

Analysis Batch: 73860 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6105-9 MS	S6 SURFACE	Soluble	Solid	300.0	73835
890-6105-9 MSD	S6 SURFACE	Soluble	Solid	300.0	73835

Lab Chronicle

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S1 SURFACE
Lab Sample ID: 890-6105-1
Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	143799	02/05/24 11:00	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	143756	02/05/24 12:56	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			144240	02/05/24 12:56	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			143859	02/08/24 06:26	ELJ	EET HOU
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	144058	02/06/24 14:30	DS	EET HOU
Total/NA	Analysis	8015B NM		1			144157	02/08/24 06:26	TTD	EET HOU
Soluble	Leach	DI Leach			5.03 g	50 mL	73751	02/22/24 11:15	SA	EET MID
Soluble	Analysis	300.0		1			73838	02/22/24 13:59	CH	EET MID

Client Sample ID: S2 SURFACE
Lab Sample ID: 890-6105-2
Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	143799	02/05/24 10:43	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	143756	02/05/24 17:00	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			144240	02/05/24 17:00	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			143859	02/08/24 06:46	ELJ	EET HOU
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	144058	02/06/24 14:30	DS	EET HOU
Total/NA	Analysis	8015B NM		1			144157	02/08/24 06:46	TTD	EET HOU
Soluble	Leach	DI Leach			5.05 g	50 mL	73751	02/22/24 11:15	SA	EET MID
Soluble	Analysis	300.0		5			73838	02/22/24 14:05	CH	EET MID

Client Sample ID: S2 1'
Lab Sample ID: 890-6105-3
Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	143799	02/05/24 10:43	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	143756	02/05/24 17:23	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			144240	02/05/24 17:23	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			143859	02/08/24 07:05	ELJ	EET HOU
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	144058	02/06/24 14:30	DS	EET HOU
Total/NA	Analysis	8015B NM		1			144157	02/08/24 07:05	TTD	EET HOU
Soluble	Leach	DI Leach			5.02 g	50 mL	73751	02/22/24 11:15	SA	EET MID
Soluble	Analysis	300.0		5			73838	02/22/24 14:12	CH	EET MID

Client Sample ID: S3 SURFACE
Lab Sample ID: 890-6105-4
Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	143799	02/05/24 10:43	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	143756	02/05/24 17:44	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			144240	02/05/24 17:44	MTMG	EET HOU

Eurofins Carlsbad

Lab Chronicle

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S3 SURFACE

Lab Sample ID: 890-6105-4

Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			143859	02/08/24 07:25	ELJ	EET HOU
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	144058	02/06/24 14:30	DS	EET HOU
Total/NA	Analysis	8015B NM		1			144157	02/08/24 07:25	TTD	EET HOU
Soluble	Leach	DI Leach			4.98 g	50 mL	73751	02/22/24 11:15	SA	EET MID
Soluble	Analysis	300.0		10			73838	02/22/24 14:19	CH	EET MID

Client Sample ID: S3 1'

Lab Sample ID: 890-6105-5

Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	143799	02/05/24 10:43	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	143756	02/05/24 18:07	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			144240	02/05/24 18:07	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			143859	02/08/24 07:45	ELJ	EET HOU
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	144058	02/06/24 14:30	DS	EET HOU
Total/NA	Analysis	8015B NM		1			144157	02/08/24 07:45	TTD	EET HOU
Soluble	Leach	DI Leach			4.97 g	50 mL	73751	02/22/24 11:15	SA	EET MID
Soluble	Analysis	300.0		5			73838	02/22/24 14:25	CH	EET MID

Client Sample ID: S4 SURFACE

Lab Sample ID: 890-6105-6

Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	143799	02/05/24 10:43	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	143756	02/05/24 18:28	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			144240	02/05/24 18:28	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			143859	02/08/24 08:25	ELJ	EET HOU
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	144058	02/06/24 14:30	DS	EET HOU
Total/NA	Analysis	8015B NM		1			144157	02/08/24 08:25	TTD	EET HOU
Soluble	Leach	DI Leach			5.00 g	50 mL	73751	02/22/24 11:15	SA	EET MID
Soluble	Analysis	300.0		20			73838	02/22/24 14:32	CH	EET MID

Client Sample ID: S5 SURFACE

Lab Sample ID: 890-6105-7

Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	143799	02/05/24 10:43	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	143756	02/05/24 18:50	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			144240	02/05/24 18:50	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			143859	02/08/24 08:45	ELJ	EET HOU
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	144058	02/06/24 14:30	DS	EET HOU
Total/NA	Analysis	8015B NM		1			144157	02/08/24 08:45	TTD	EET HOU

Eurofins Carlsbad

Lab Chronicle

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S5 SURFACE
Lab Sample ID: 890-6105-7
Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	73751	02/22/24 11:15	SA	EET MID
Soluble	Analysis	300.0		10			73838	02/22/24 14:39	CH	EET MID

Client Sample ID: S5 6"
Lab Sample ID: 890-6105-8
Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	143799	02/05/24 10:43	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	144297	02/07/24 23:47	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			144467	02/07/24 23:47	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			143859	02/15/24 06:54	ELJ	EET HOU
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	144059	02/06/24 14:33	DS	EET HOU
Total/NA	Analysis	8015B NM		1			145251	02/15/24 06:54	T1S	EET HOU
Soluble	Leach	DI Leach			5.01 g	50 mL	73751	02/22/24 11:15	SA	EET MID
Soluble	Analysis	300.0		5			73838	02/22/24 14:46	CH	EET MID

Client Sample ID: S6 SURFACE
Lab Sample ID: 890-6105-9
Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	143799	02/05/24 10:43	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	143756	02/05/24 19:12	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			144240	02/05/24 19:12	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			143859	02/13/24 00:03	ELJ	EET HOU
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	144059	02/06/24 14:33	DS	EET HOU
Total/NA	Analysis	8015B NM		1			144834	02/13/24 00:03	T1S	EET HOU
Soluble	Leach	DI Leach			4.98 g	50 mL	73835	02/22/24 11:29	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	73860	02/22/24 14:24	CH	EET MID

Client Sample ID: S6 1'
Lab Sample ID: 890-6105-10
Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	143799	02/05/24 10:43	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	143756	02/05/24 19:34	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			144240	02/05/24 19:34	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			143859	02/12/24 23:43	ELJ	EET HOU
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	144059	02/06/24 14:33	DS	EET HOU
Total/NA	Analysis	8015B NM		1			144834	02/12/24 23:43	T1S	EET HOU
Soluble	Leach	DI Leach			5.01 g	50 mL	73835	02/22/24 11:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	73860	02/22/24 14:38	CH	EET MID

Lab Chronicle

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S7 SURFACE
Lab Sample ID: 890-6105-11
Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	143799	02/05/24 10:43	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	143756	02/05/24 19:55	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			144240	02/05/24 19:55	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			143859	02/12/24 23:23	ELJ	EET HOU
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	144059	02/06/24 14:33	DS	EET HOU
Total/NA	Analysis	8015B NM		1			144834	02/12/24 23:23	T1S	EET HOU
Soluble	Leach	DI Leach			5.03 g	50 mL	73835	02/22/24 11:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	73860	02/22/24 14:43	CH	EET MID

Client Sample ID: S7 1'
Lab Sample ID: 890-6105-12
Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	143799	02/05/24 10:43	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	143861	02/05/24 23:54	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			144240	02/05/24 23:54	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			143859	02/12/24 23:02	ELJ	EET HOU
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	144059	02/06/24 14:33	DS	EET HOU
Total/NA	Analysis	8015B NM		1			144834	02/12/24 23:02	T1S	EET HOU
Soluble	Leach	DI Leach			5.02 g	50 mL	73835	02/22/24 11:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	73860	02/22/24 14:48	CH	EET MID

Client Sample ID: S8 SURFACE
Lab Sample ID: 890-6105-13
Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	143799	02/05/24 10:43	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	143861	02/06/24 00:15	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			144240	02/06/24 00:15	MTMG	EET HOU
Total/NA	Analysis	8015 NM		1			143859	02/15/24 04:55	ELJ	EET HOU
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	144059	02/06/24 14:33	DS	EET HOU
Total/NA	Analysis	8015B NM		1			145251	02/15/24 04:55	T1S	EET HOU
Soluble	Leach	DI Leach			4.99 g	50 mL	73835	02/22/24 11:29	SMC	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	73860	02/22/24 14:52	CH	EET MID

Client Sample ID: S8 1'
Lab Sample ID: 890-6105-14
Date Collected: 02/02/24 00:00
Matrix: Solid
Date Received: 02/02/24 12:39

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	143799	02/05/24 10:43	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	143861	02/06/24 00:35	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			144240	02/06/24 00:35	MTMG	EET HOU

Eurofins Carlsbad

Lab Chronicle

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Client Sample ID: S8 1'

Date Collected: 02/02/24 00:00
Date Received: 02/02/24 12:39

Lab Sample ID: 890-6105-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			143859	02/15/24 04:35	ELJ	EET HOU
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	144059	02/06/24 14:33	DS	EET HOU
Total/NA	Analysis	8015B NM		1			145251	02/15/24 04:35	T1S	EET HOU
Soluble	Leach	DI Leach			4.97 g	50 mL	73835	02/22/24 11:29	SMC	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	73860	02/22/24 15:06	CH	EET MID

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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

Accreditation/Certification Summary

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Laboratory: Eurofins Houston

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704215	02-20-24

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

Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
8015B NM	8015NM Prep	Solid	Diesel Range Organics (Over C10-C28)
8015B NM	8015NM Prep	Solid	Gasoline Range Organics (GRO)-C6-C10
8015B NM	8015NM Prep	Solid	Oil Range Organics (Over C28-C36)
Total BTEX		Solid	Total BTEX

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-23-26	06-30-24

Method Summary

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET HOU
Total BTEX	Total BTEX Calculation	TAL SOP	EET HOU
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET HOU
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET HOU
8015NM Prep	Microextraction	SW846	EET HOU
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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

Sample Summary

Client: Select Energy Services
Project/Site: BIG STAG

Job ID: 890-6105-1
SDG: 2024 - 01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6105-1	S1 SURFACE	Solid	02/02/24 00:00	02/02/24 12:39	0'
890-6105-2	S2 SURFACE	Solid	02/02/24 00:00	02/02/24 12:39	0'
890-6105-3	S2 1'	Solid	02/02/24 00:00	02/02/24 12:39	1'
890-6105-4	S3 SURFACE	Solid	02/02/24 00:00	02/02/24 12:39	0'
890-6105-5	S3 1'	Solid	02/02/24 00:00	02/02/24 12:39	1'
890-6105-6	S4 SURFACE	Solid	02/02/24 00:00	02/02/24 12:39	0'
890-6105-7	S5 SURFACE	Solid	02/02/24 00:00	02/02/24 12:39	0'
890-6105-8	S5 6"	Solid	02/02/24 00:00	02/02/24 12:39	6"
890-6105-9	S6 SURFACE	Solid	02/02/24 00:00	02/02/24 12:39	0'
890-6105-10	S6 1'	Solid	02/02/24 00:00	02/02/24 12:39	1'
890-6105-11	S7 SURFACE	Solid	02/02/24 00:00	02/02/24 12:39	0'
890-6105-12	S7 1'	Solid	02/02/24 00:00	02/02/24 12:39	1'
890-6105-13	S8 SURFACE	Solid	02/02/24 00:00	02/02/24 12:39	0'
890-6105-14	S8 1'	Solid	02/02/24 00:00	02/02/24 12:39	1'

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 6105

www.xenco.com Page 1 of 2

Project Manager:	TIMSAN BRICKER	Bill to: (if different)	
Company Name:	SELECT WATER	Company Name:	
Address:	1502 E GREENE ST	Address:	
City, State ZIP:	CARLSBAD NM 88220	City, State ZIP:	
Phone:	575-200-7551	Email:	tbricker@selectwater.com

Work Order Comments

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

Project Name:	BIG STAG	Turn Around	
Project Number:	2024-01	☒ Routine ☐ Rush	
Project Location:	LEA CO	Due Date:	
Sampler's Name:	TIMSAN BRICKER	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT

Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.2
Total Containers:		Corrected Temperature:	4.0

ANALYSIS REQUEST

Pres. Code / Parameters

CHLORIDES
BTEX
TPH

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont
S1 SURFACE	S	2/2		0'		
S-2 SURFACE	S	2/2		0'		
S-2 1'	S	2/2		1'		
S3 SURFACE	S	2/2		0'		
S-3 1'	S	2/2		1'		
S4 SURFACE	S	2/2		0'		
S5 SURFACE	S	2/2		0'		
S5 6"	S	2/2		6"		
S6 SURFACE	S	2/2		0'		
S6 1'	S	2/2		1'		

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Comments

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

www.xenco.com Page 2 of 2

Project Manager:	TIMSAN BRICKER	Bill to: (if different)	
Company Name:	SELECT WATER	Company Name:	
Address:	1502 E GREENE ST	Address:	
City, State ZIP:	CARLSBAD NM 88220	City, State ZIP:	
Phone:	575-200-7551 Email:	tbrickerEselectwater.com	

Work Order Comments

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

Project Name:	BLO STA 6	Turn Around	
Project Number:	2024-01	☒ Routine ☐ Rush	Pres. Code
Project Location:	Lea Co	Due Date:	
Sampler's Name:	TIMSAN BRICKER	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes No	Wet Ice:	Yes No	
Samples Received Intact:	Yes No	Thermometer ID:	TNM007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.2	
Total Containers:		Corrected Temperature:	4	

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
~~H_2SO_4~~: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: CHLORIDES	BTEX	TPH	Sample Comments
S7 SURFACE	S	2/2		0'			X	X	X	
S7 1'	S	2/2		1'						
S8 SURFACE	S	2/2		0'						
S8 1'	S	2/2		1'						

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			2/2/24 1239	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Select Energy Services

Job Number: 890-6105-1
SDG Number: 2024 - 01

Login Number: 6105
List Number: 1
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Select Energy Services

Job Number: 890-6105-1
SDG Number: 2024 - 01

Login Number: 6105
List Number: 2
Creator: Jimenez, Nicanor

List Source: Eurofins Houston
List Creation: 02/03/24 12:35 PM

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

Login Sample Receipt Checklist

Client: Select Energy Services

Job Number: 890-6105-1
SDG Number: 2024 - 01

Login Number: 6105
List Number: 3
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 02/22/24 01:48 PM

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

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QUESTIONS

Action 360220

QUESTIONS

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 360220
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2334069465**
Incident Name	**NAPP2334069465 BIG STAG @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BIG STAG
Date Release Discovered	12/05/2023
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Normal Operations | Pipeline (Any) | Produced Water | Released: 67 BBL | Recovered: 0 BBL | Lost: 67 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 360220
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

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.

I hereby agree and sign off to the above statement	Name: Timsan Bricker Title: ENV Coordinator Email: tbricker@selectenergy.com Date: 07/01/2024

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QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 360220
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	11400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	2480
GRO+DRO (EPA SW-846 Method 8015M)	2477.1
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	04/23/2024
On what date will (or did) the final sampling or liner inspection occur	07/31/2024
On what date will (or was) the remediation complete(d)	08/31/2024
What is the estimated surface area (in square feet) that will be reclaimed	4620
What is the estimated volume (in cubic yards) that will be reclaimed	430
What is the estimated surface area (in square feet) that will be remediated	4620
What is the estimated volume (in cubic yards) that will be remediated	430
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 360220
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
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.	
I hereby agree and sign off to the above statement	Name: Timsan Bricker Title: ENV Coordinator Email: tbricker@selectenergy.com Date: 07/01/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 360220
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 360220
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**362317**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**07/11/2024**
What was the (estimated) number of samples that were to be gathered	**36**
What was the sampling surface area in square feet	**7052**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 360220

CONDITIONS

Operator: SELECT WATER SOLUTIONS, LLC 1820 N I-35 Gainesville, TX 76240	OGRID: 289068
	Action Number: 360220
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	The remediation plan is approved as written. Select has 90-days (October 30, 2024) to submit to OCD its appropriate or final remediation closure report.	7/11/2024