



December 18, 2025

New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

Attention: Britney Hall

Re: Initial C-141
Incident Number nAPP2422050186
Sandpoint Reclamation Facility PWS
Facility ID: fVV2130741319

NMOCD:

The incident occurred October 22, 2023, on site due to a fire at the facility causing a best guess estimate of approximately 682 barrels (bbls) of fluids released. The fluid volume includes produced water, crude oil, and fire suppressants fluids. Of the estimated 682 bbls, approximately 521 bbls of fluid was contained within the tank battery secondary containment and was recovered. An unknown amount was lost in the immediate area around the tank battery due to firefighting activities and fire suppressing fluids.

For reporting, Production Waste Solutions (PWS) will report the spill volume as unknown due to the firefighting activities increase the total spill count to undetermined volume, and will report the fluid recovered as the tank battery volume and 3 compromised tanks of approximately 521 bbl.

Vertex Energy submits this initial C-141 report for the above referenced incident. We respectfully ask NMOCD for approval of the estimated spill volume calculated in good faith.

Closure

All data collected by Vertex is proprietary information of Produced Waste Solutions and will not be shared without express consent of client representatives.

We trust this document meets your present requirements. Should you have any questions regarding its content, please do not hesitate to contact the undersigned at 575.200-6167 or chensley@vertexresource.com.

A handwritten signature in black ink, appearing to read 'Chad Hensley'.

Sincerely,
Chad Hensley

vertex.ca

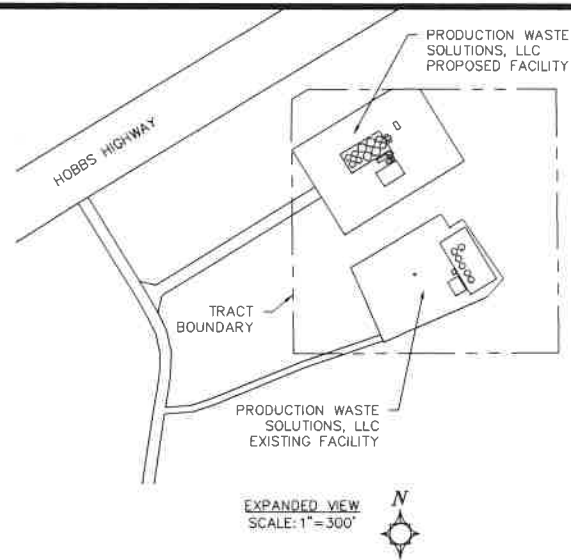
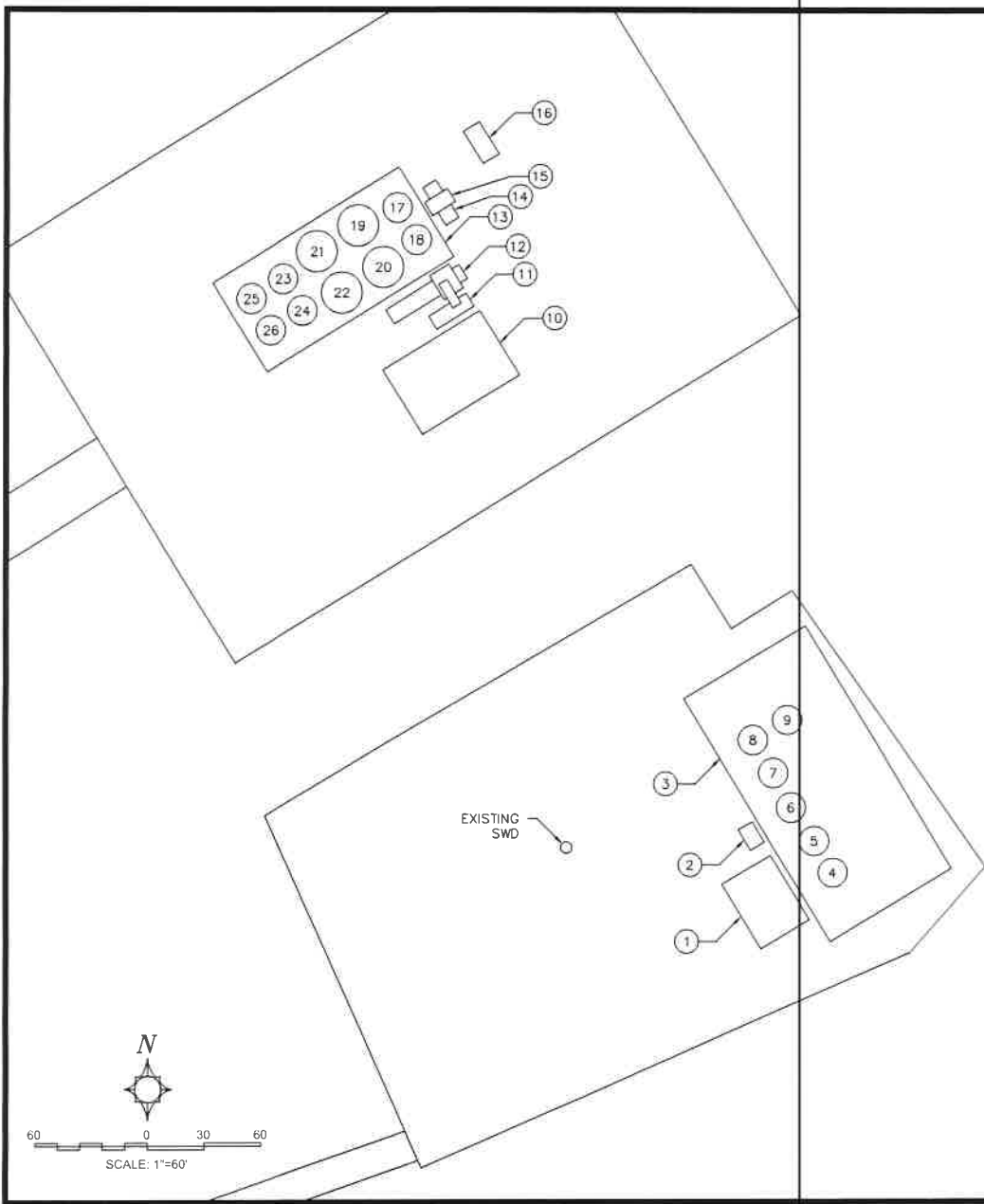
3101 Boyd Drive, Carlsbad, New Mexico 88220, USA | P 575.725.5001




List of Appendices

Appendix A.	Figures
Appendix B.	Spill Calculassions

APPENDIX A



PROPOSED PRODUCTION WASTE SOLUTIONS, LLC EQUIPMENT				
#	DESCRIPTION	DIMENSIONS	MATERIAL	VOLUME
1	UNLOADING BAY	40'x30'x1'	CONCRETE	---
2	BUILDING	12.5'x8.5'x9'	STEEL	---
3	TANK CONTAINMENT	150'x75'x3'	CONCRETE	---
4	PROCESSING TANK	15.5'Øx24'	STEEL	750 BBL
5	PROCESSING TANK	15.5'Øx24'	STEEL	750 BBL
6	PROCESSING TANK	15.5'Øx24'	STEEL	750 BBL
7	SEPARATED WATER TANK	15.5'Øx16'	STEEL	500 BBL
8	SEPARATED WATER TANK	15.5'Øx16'	STEEL	500 BBL
9	SALE OIL TANK	15.5'Øx16'	STEEL	500 BBL
10	UNLOADING BAY	60'x40'x1'	CONCRETE	---
11	SOLIDS ROLL-OFF BOX	23'x8'x4.5'	STEEL	96 BBL
12	SHAKER/UNLOADING TANK	45'x8.5'x8'	STEEL	500 BBL
13	TANK CONTAINMENT	115'x55'x3'	CONCRETE	---
14	SOLIDS ROLL-OFF BOX	23'x8'x4.5'	STEEL	96 BBL
15	CENTRIFUGE	1.5'Øx6'	STEEL	1 BBL
16	HEATER	20'x10'x8'	STEEL	6 BBL
17	PROCESSING TANK	15.5'Øx16'	STEEL	500 BBL
18	PROCESSING TANK	15.5'Øx24'	STEEL	750 BBL
19	UNLOADING TANK	21.5'Øx16'	STEEL	1000 BBL
20	UNLOADING TANK	21.5'Øx16'	STEEL	1000 BBL
21	UNLOADING TANK	21.5'Øx16'	STEEL	1000 BBL
22	UNLOADING TANK	21.5'Øx16'	STEEL	1000 BBL
23	SEPARATED WATER TANK	15.5'Øx16'	STEEL	500 BBL
24	CLEAN WATER TANK	15.5'Øx16'	STEEL	500 BBL
25	SALE OIL TANK	15.5'Øx16'	STEEL	500 BBL
26	SALE OIL TANK	15.5'Øx16'	STEEL	500 BBL



500 Moseley Road
Cress Roads, Texas 76227
Phone (940) 387-9805
www.kje-us.com

FACILITY SCHEMATIC DIAGRAM
CLOSURE COST ESTIMATE
PRODUCTION WASTE SOLUTIONS, LLC & OVERFLOW ENERGY, LLC
EDDY COUNTY, NEW MEXICO

DATE: 09/13/2021
VERSION: 1.0
THIS DRAWING IS FOR PERMIT PURPOSES ONLY.
REVISIONS:
SHEET: **A1**

APPENDIX B

Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimate d Barrels	Soil Type
Clay	0.15			0.083	0.083	0.00	Clay
Peat	0.40			0.083	0.083	0.01	Peat
Glacial Sediments	0.13			0.083	0.083	0.00	Glacial Sediments
Sandy Clay	0.12			0.083	0.083	0.00	Sandy Clay
Silt	0.16			0.083	0.083	0.00	Silt
Loess	0.25			0.083	0.083	0.00	Loess
Fine Sand	0.16			0.083	0.083	0.00	Fine Sand
Medium Sand	0.25			0.083	0.083	0.00	Medium Sand
Coarse Sand	0.26			0.083	0.083	0.00	Coarse Sand
Gravelly Sand	0.26			0.083	0.083	0.00	Gravelly Sand
Fine Gravel	0.26			0.083	0.083	0.00	Fine Gravel
Medium Gravel	0.20			0.083	0.083	0.00	Medium Gravel
Coarse Gravel	0.18	230	270	0.083	5154.3	165.38	Coarse Gravel
Sandstone	0.25			0.083	0.083	0.00	Sandstone
Siltstone	0.18			0.083	0.083	0.00	Siltstone
Shale	0.05			0.083	0.083	0.00	Shale
Limestone	0.13			0.083	0.083	0.00	Limestone
Basalt	0.19			0.083	0.083	0.00	Basalt
Volcanic Tuff	0.20			0.083	0.083	0.00	Volcanic Tuff
Standing Liquids	X	130	90	0.25	2925	521.39	Standing Liquids

1	2	3	4	5	6
0.083	0.166	0.250	0.332	0.415	0.500
7	8	9	10	11	12
0.581	0.664	0.750	0.830	0.913	1.000

Total Estimated Volume released: **Unknown**

Total Volume Recovered **521** bbl

Total Volume Lost **Unknown**

Environmental Site Remediation Work Plan

General Information

NMOCD District:	Artesia
Landowner:	Private
Client:	Production Waste Solutions, LLC.
Date:	December 13, 2025
Client Contact:	Terry Townsend
Vertex PM:	Chad Hensley

Incident ID:	napp2422050186
RP Reference:	N/A
Site Location:	Sand Point Reclamation Facility
Project #:	24E-04209
Phone #:	432.524.9389
Phone #:	575.200.6167

Objective

The objective of the environmental remediation work plan is to identify exceedances found during the site assessment/characterization activity and propose an appropriate remediation technique to address the incident at the Sand Point Reclamation Facility. The incident occurred October 22, 2023, on site due to a fire at the facility causing a best guess estimate of approximately 682 barrels (bbls) of fluids released. The fluid volume includes produced water, crude oil, and fire suppressants fluids. Of the 682 bbls, approximately 521 bbls of fluid was contained with the tank battery secondary containment and recovered, a unknown amount was lost in the immediate area around the tank batter due to firefighting activities and fire suppressing fluids. Closure criteria has been selected as per New Mexico Administrative Code 19.15.29. All applicable research as it pertains to closure criteria selection is presented in Attachment 5. The closure criteria for the site are presented below.

Table 1. Closure Criteria for Soils Impacted by a Release		
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit
≤ 50 feet	Chloride	600 mg/kg
	TPH (GRO+DRO+MRO)	100 mg/kg
	BTEX	50 mg/kg
	Benzene	10 mg/kg

TDS – total dissolved solids

TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics

BTEX – benzene, toluene, ethylbenzene, and xylenes

DTGW – depth to groundwater

Site Assessment/Characterization

Site characterization started on September 23, 2024, and completed on December 4, 2025. A total of 43 sample points were established, and 123 samples collected for field screening. Samples at the greatest lateral limits and deepest vertical distance below closure criteria were submitted to the laboratory for analysis. In total, 123 samples were submitted to Eurofins Environmental Testing in Albuquerque, New Mexico for analysis. The sample locations are presented in Figure 1 (Attachment 1). Laboratory analysis results have been compared to the above noted closure criteria and the results from the characterization activity are presented in Table 2 (Attachment 2); exceedances to criteria are identified in the table as bold with a grey background. Daily field reports and laboratory data reports are included in Attachments 3 and 4, respectively. All applicable research as it pertains to closure criteria selection is presented in Attachment 5.

Environmental Site Remediation Work Plan

Remedial Activities

General

Areas identified with contaminant concentrations above closure criteria will be remediated through excavation. Laboratory results from the site assessment/characterization have been referenced to estimate both the vertical and horizontal limits of the impacts and the volume of soil to be removed. Soil will be excavated to the extents of the known contamination as possible with infrastructure in close proximity. Field screening will be utilized to confirm removal of contaminated soil below the applicable closure criteria. Contaminated soils will be stored on a 30mil liner prior to disposal at an approved facility. Once excavation is complete, confirmatory samples will be collected and laboratory analysis completed to confirm closure criteria guidelines are met. Excavations will be backfilled with clean soil sourced locally.

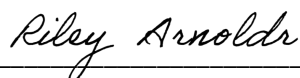
A liner inspection will be conducted with the approval of this work plan, and a 48 notice will be given prior to inspection.

napp2422050186-- Release Due to Fire from Facility

Exceedances to closure criteria were identified at BH25-01, BH25-03, BH25-04, BH25-05, BH25-32, BH25-34, BH25-35 and BH25-36 around the containment and on the north and northwest area of the pad (Figure 1 Attachment 1). Impacted areas will be remediated to closure criteria via excavation where access is possible around containment and lines. Soil will be excavated at a planned depth of one foot, around aforementioned boreholes and to three feet around BH25-36.

Heavy equipment will be used to complete excavation in areas free of infrastructure or equipment. Hand tools will be utilized to remove contaminated soil in close proximity to equipment, buried utilities, and pipelines. A hydrovac truck will be utilized to identify utility and buried pipelines and complete excavation where necessary, and mechanical excavation will be performed in any areas deemed safe by crews on site. Confirmation samples will be collected as per NMOCD guidance and submitted for laboratory analysis of all applicable parameters. The total remediation area is approximately 3,972 square feet. The total estimated volume to be excavated is approximately 166 cubic yards. Excavation is planned to be completed within 90 days of approval of this Environmental Site Remediation Work Plan.

Should you have any questions or concerns, please do not hesitate to contact the Chad Hensley at 575.200.6167 or Chensley@vertexresource.com



Riley Arnold, B.Sc.

ENVIRONMENTAL TECHNICIAN, REPORTING

12/19/2025

Date



Chad Hensley, B.Sc. GCNR

SENIOR PROJECT MANAGER, REPORT REVIEW

12/19/2025

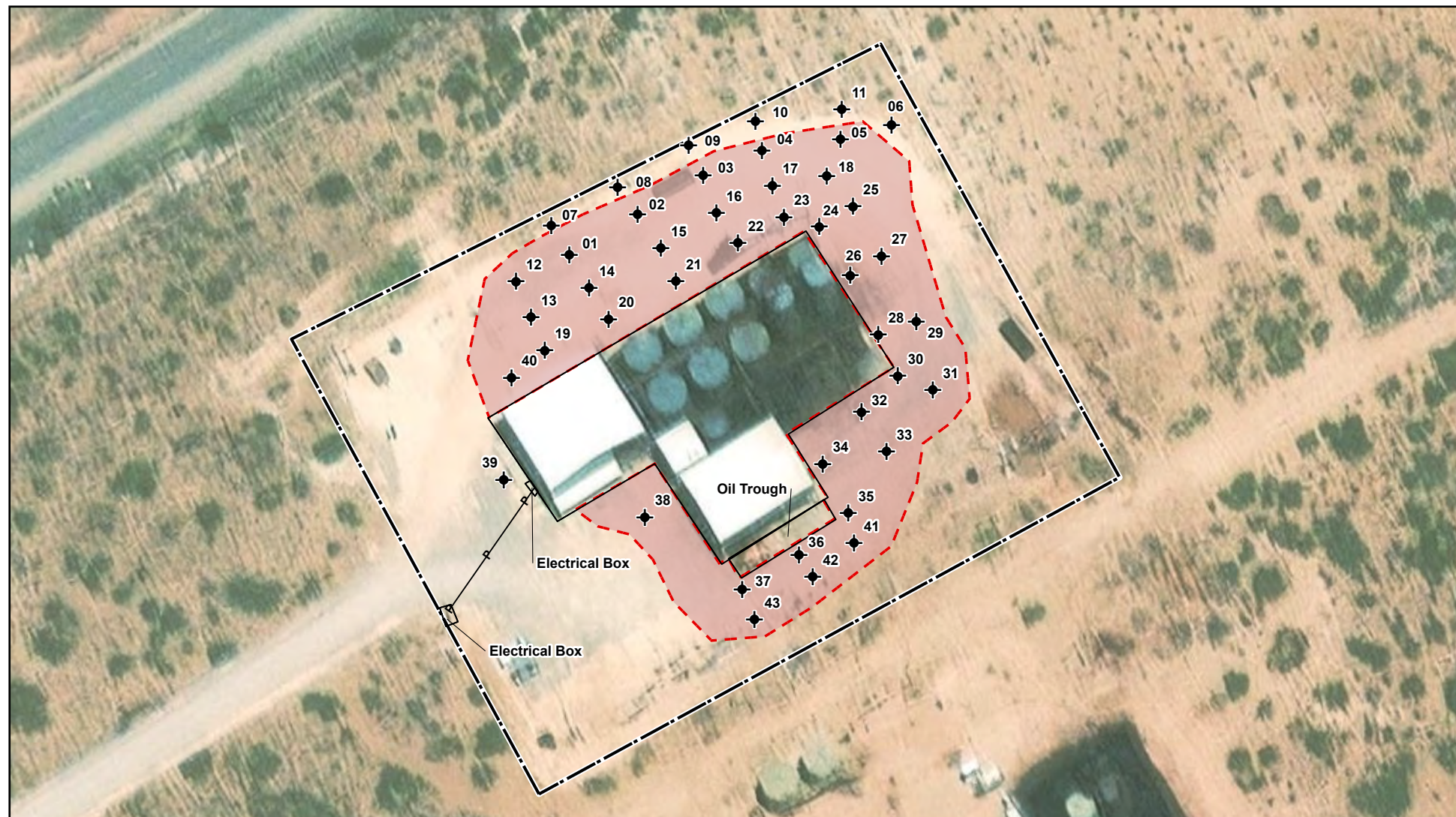
Date

Environmental Site Remediation Work Plan

Attachments

- Attachment 1. Characterization Sampling Site Schematics
- Attachment 2. Characterization Samples Laboratory Results Table
- Attachment 3. Daily Field Reports with Photographs
- Attachment 4. Laboratory Data Reports with Chain of Custody Forms
- Attachment 5. Closure Criteria Research
- Attachment 6. Volume Calculations

ATTACHMENT 1
Characterization Sampling Site Schematics



◆ Borehole (Prefixed by "BH24-") — Powerline — Approximate Site Boundary □ Infrastructure ■ Release Area (~ 32,033 sq. ft. | 1,408 ft.)



0 25 50 ft
NAD 1983 UTM Zone 13N
Date: Oct 08/24

Map Center:
Lat/Long
32.516054° -104.060879°



Characterization Sampling Site Schematic Sand Point Reclamation Facility

FIGURE:

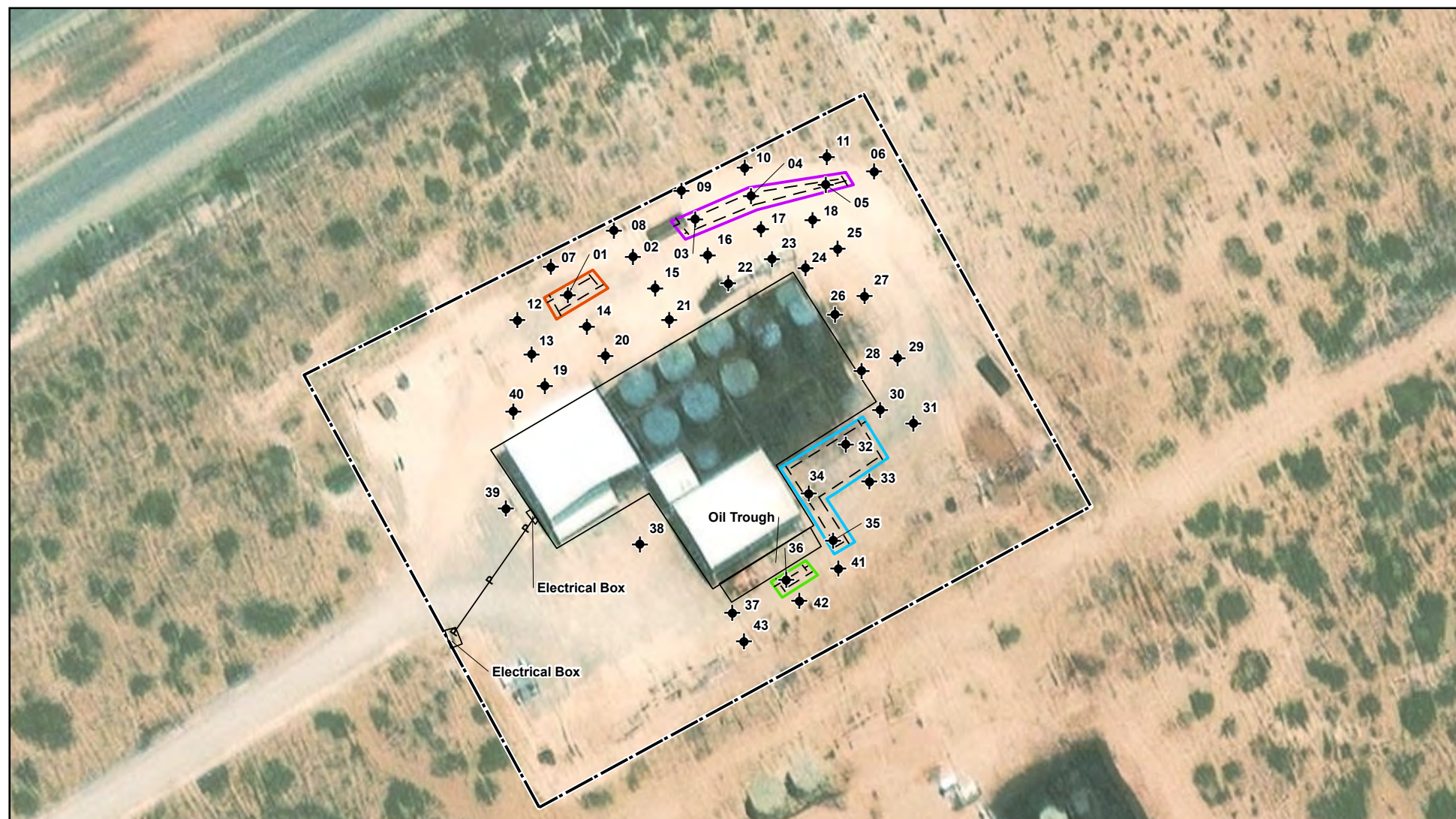
1



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2023. Approximate site boundary from sketch by Vertex Professional Services Ltd. (Vertex), 2024. Site features from GPS, Vertex, 2024.

VERSATILITY. EXPERTISE.



- | | | | |
|----------------------------------|------------------------------|----------------------------------------------------------|------------------------------------------------------------|
| ◆ Borehole (Prefixed by "BH24-") | ▭ Approximate Lease Boundary | ▭ Proposed Excavation to 5' bgs (~ 261 sq. ft. 70 ft.) | ▭ Proposed Excavation to 1' bgs (~ 1241 sq. ft. 230 ft.) |
| — Powerline | ▭ Infrastructure | ▭ Proposed Excavation to 1' bgs (~ 470 sq. ft. 95 ft.) | ▭ Proposed Excavation to 1' bgs (~ 2007 sq. ft. 229 ft.) |



0 25 50 ft
NAD 1983 UTM Zone 13N
Date: Oct 09/24

Map Center:
Lat/Long
32.516102°, -104.06086°



Proposed Excavation Schematic Sand Point Reclamation Facility

FIGURE:

2



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.

Note: Georeferenced image from Esri, 2023. Approximate site boundary from sketch by Vertex Professional Services Ltd. (Vertex), 2024. Site features from GPS, Vertex, 2024.

VERSATILITY. EXPERTISE.

ATTACHMENT 2
Characterization Samples Laboratory Results Table

Client Name: Production Waste Solutions, LLC
 Site Name: Sand Point Reclamation Facility
 NMOCD Tracking #: napp2422050186
 Project #:24E-04209
 Lab Report: 890-7172-1,885-12721-1, 890-9171-1

Table 2. Initial Characterization Sample Laboratory Results

Sample Description			Petroleum Hydrocarbons							Inorganic							
Sample ID	Depth (ft)	Sample Date	Volatile		Extractable												
			Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration							
											(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
											Depth to Groundwater ≤ 50 feet bgs						
BH24-01	0	September 23,2024	ND	ND	ND	56	ND	56	56	660							
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	14							
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	30							
BH24-02	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	430							
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	42							
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	14							
BH24-03	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	1100							
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	64							
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	25							
BH24-04	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	640							
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	42							
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	8.4							
BH24-05	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	640							
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	10							
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	ND							
BH24-06	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	10							
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	14							
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	21							
BH24-07	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	120							
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	38							
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	15							
BH24-08	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	1.1							
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	80							
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	62							
BH24-09	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	32							
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	53							
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	34							
BH24-10	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	120							
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	24							
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	50							
BH24-11	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	36							
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	24							
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	21							
BH24-12	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	23							
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	53							
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	15							
BH24-13	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	26							
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	12							
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	7.8							

BH24-14	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	15
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	6
BH24-15	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	240
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	470
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	140
BH24-16	0	September 23,2024	ND	ND	ND	ND	ND	ND	ND	17
	2	September 23,2024	ND	ND	ND	ND	ND	ND	ND	14
	4	September 23,2024	ND	ND	ND	ND	ND	ND	ND	27
BH24-17	0	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	120
	2	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	21
	4	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	5.4
BH24-18	0	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	23
	2	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	ND
	4	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BH24-19	0	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	17
	2	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	22
	4	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	20
BH24-20	0	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	ND
	2	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	16
	4	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	8
BH24-21	0	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	48
	2	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	8.7
	4	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	7.7
BH24-22	0	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	12
	2	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	9.8
	4	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	24
BH24-23	0	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	6.5
	2	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	6.2
	4	September 24, 2024	ND	ND	ND	ND	ND	ND	ND	6
BH24-24	0	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	550
	2	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	44
	4	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	17
BH24-25	0	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	250
	2	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	41
	4	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	50
BH24-26	0	September 25, 2024	ND	ND	ND	64	ND	64	64	79
	2	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	42
	4	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	22
BH24-27	0	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	59
	2	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	21
	4	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	26
BH24-28	0	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	130
	2	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	49
	4	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	54
BH24-29	0	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	140
	2	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	45
	4	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	110
BH24-30	0	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	510
	2	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	97
	4	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	70
BH24-31	0	September 25, 2024	ND	ND	ND	51	ND	51	51	480
	2	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	40
	4	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	120
BH24-32	0	September 25, 2024	ND	ND	ND	91	ND	91	91	4300
	2	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	290
	4	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	89
BH24-33	0	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	210
	2	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	39
	4	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	150
BH24-34	0	September 25, 2024	ND	ND	ND	260	ND	260	260	200
	2	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	50
	4	September 25, 2024	ND	ND	ND	ND	ND	ND	ND	15
BH24-35	0	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	1700
	2	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	330

	4	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	220
BH24-36	0	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	9800
	2	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	2200
	4	December 4, 2025	ND	ND	ND	ND	ND	ND	ND	902
	5	December 4, 2025	ND	ND	ND	ND	ND	ND	ND	61
BH24-37	0	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	260
	2	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	140
BH24-38	0	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	130
	2	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	23
BH24-39	0	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	6.8
	2	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	22
	4	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	37
BH24-40	0	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	46
	2	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	ND
	4	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	90
BH24-41	0	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	510
	2	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	580
BH24-42	0	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	160
BH24-43	0	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	170
	2	September 26, 2024	ND	ND	ND	ND	ND	ND	ND	37

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

Bold and grey shaded indicates exceedance outside of NMOCD Remediation Closure Criteria

ATTACHMENT 3
Daily Field Reports with Photographs



Daily Site Visit Report

Client:	Production Waste Solutions, LLC	Inspection Date:	9/23/2024
Site Location Name:	Sand Point Reclamation Facility	Report Run Date:	9/24/2024 12:36 PM
Client Contact Name:	Terry Townsend	API #:	
Client Contact Phone #:	432-524-9389		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site 9/23/2024 8:05 AM

Departed Site 9/23/2024 4:00 PM

Field Notes

19:08 Arrived on site, completed safety paperwork and held a safety brief with Skipper from PWS. A site walkthrough was conducted through the incident area with Skipper and Terry Townsend of PWS.

19:10 On site to delineate the northern area of the pad.

18:04 Obtained samples BH24-01 through BH24-16. Samples were collected in intervals of 0, 2, and 4ft bgs. In total, 41 samples were collected today.

19:08 All samples were screened for chlorides using silver nitrate titration and 11 samples were screened for TPH using a Dexsil Petroflag.

19:10 Samples BH24-01, 02, 03, 04, 05, and 12 exceeded NMOCD strictest criteria for chlorides at 0ft bgs during initial field screens. Samples BH24-09 and BH24-14 exceeded criteria for TPH.

18:52 All samples were jarred in preparation to be sent to the laboratory for further analysis.

Next Steps & Recommendations

1

Daily Site Visit Report



Site Photos

Viewing Direction: East



BH24-01 at 4ft bgs. Samples taken at 0, 2, and 4ft.

Viewing Direction: South



BH24-02 at 4ft bgs. Samples taken at 0, 2, and 4ft.

Viewing Direction: West



BH24-03 at 4ft bgs. Samples taken at 0, 2, and 4ft.

Viewing Direction: South



BH24-04 at 4ft bgs. Samples taken at 0, 2, and 4ft.



Daily Site Visit Report

Viewing Direction: Southwest



BH24-05 at 4ft bgs. Samples taken at 0, 2, and 4ft.

Viewing Direction: Southwest



BH24-06 at 4ft bgs. Samples were collected 0, 2, and 4ft bgs.

Viewing Direction: South



BH24-07 at 2ft bgs. Samples were collected at 0 and 2ft bgs.

Viewing Direction: Southeast



BH24-08 at 2ft bgs. Samples were collected at 0 and 2ft bgs.



Daily Site Visit Report

Viewing Direction: Southwest



BH24-09 at 2ft bgs. Samples were collected at 0 and 2ft bgs.

Viewing Direction: Southwest



BH24-10 at 2ft bgs. Samples were collected at 0 and 2ft bgs.

Viewing Direction: West



BH24-11 at 2ft bgs. Samples were collected at 0 and 2ft bgs.

Viewing Direction: East



BH24-12 at 4ft bgs. Samples taken at 0, 2, and 4ft.



Daily Site Visit Report

Viewing Direction: East



BH24-13 at 4ft bgs. Samples taken at 0, 2, and 4ft.

Viewing Direction: Northeast



BH24-14 at 2.5ft bgs. Sample point hit refusal at 2.5ft. Samples were collected at 0 and 2ft bgs.

Viewing Direction: North



BH24-15 at 4ft bgs. Samples taken at 0, 2, and 4ft.

Viewing Direction: West



BH24-16 at 4ft bgs. Samples taken at 0, 2, and 4ft.

Daily Site Visit Report



Daily Site Visit Signature

Inspector: John Rewis

Signature:

Signature 



Daily Site Visit Report

Client:	Production Waste Solutions, LLC	Inspection Date:	9/24/2024
Site Location Name:	Sand Point Reclamation Facility	Report Run Date:	9/25/2024 1:18 AM
Client Contact Name:	Terry Townsend	API #:	
Client Contact Phone #:	432-524-9389		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site 9/24/2024 8:05 AM

Departed Site 9/24/2024 2:14 PM

Field Notes

17:16 Arrived on site, completed safety paperwork and a site walk through with PWS owner, Skipper. Skipper stayed on site and helped the work progress.

17:19 Collected BH24-17 through BH24-23 at 0, 2, 4ft bgs along with BH24-07 through BH24-11 at 4ft bgs. 33 samples in total.

17:22 All samples were field screened for chlorides using silver nitrate titration and 10 samples were selected to be screened for TPH using a Dexsil Petroflag. All samples met NMOCD strictest criteria.

17:26 All samples were jarred in preparation to be sent to the laboratory for further analysis.

Next Steps & Recommendations

1

Daily Site Visit Report



Site Photos

Viewing Direction: West



BH24-17 at 4ft. Samples collected at 0, 2, and 4ft bgs.

Viewing Direction: West



BH24-18 at 4ft. Samples collected at 0, 2, and 4ft bgs

Viewing Direction: East



BH24-19 at 4ft bgs. Samples collected at 0, 2, and 4ft bgs.

Viewing Direction: North



BH24-20 at 4ft bgs. Samples collected at 0, 2, and 4ft bgs.



Daily Site Visit Report

Viewing Direction: Northwest



BH24-21 at 4ft bgs. Samples collected at 0, 2, and 4ft bgs.

Viewing Direction: Northeast



BH24-22 at 4ft bgs. Samples collected at 0, 2, and 4ft bgs.

Viewing Direction: North



BH24-07 at 4ft. Sample collected at 4ft.

Viewing Direction: North



BH24-08 at 4ft. Sample collected at 4ft.



Daily Site Visit Report

Viewing Direction: East



BH24-10 at 4ft bgs. Sample collected at 4ft.

Viewing Direction: West



Sample area from the northern west corner.

Daily Site Visit Report



Daily Site Visit Signature

Inspector: John Rewis

Signature:

Signature A handwritten signature in black ink, consisting of a large, stylized 'J' and 'R' connected together, written over a horizontal line.



Daily Site Visit Report

Client:	Production Waste Solutions, LLC	Inspection Date:	9/25/2024
Site Location Name:	Sand Point Reclamation Facility	Report Run Date:	9/26/2024 1:55 AM
Client Contact Name:	Terry Townsend	API #:	
Client Contact Phone #:	432-524-9389		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site 9/25/2024 8:00 AM

Departed Site 9/25/2024 1:22 PM

Field Notes

- 13:00** Arrived on site, completed safety paperwork and conducted a site walkthrough using the magnetic line locator in areas of planned ground disturbance.
- 13:12** Collected samples BH24-24 through BH24-32 at 0, 2, and 4ft bgs. In total 30 samples were collected. All samples were collected on the east side of the pad.
- 13:12** All samples were field screened for chlorides using silver nitrate titration and and 10 samples were selected to be screened for TPH with a Dexsil Petroflag.
- 13:19** Samples BH24- exceeded NMOCD strictest criteria for chlorides and TPH.
- 13:10** All 3 samples were jarred in preparation to be sent to the laboratory for further analysis.

Next Steps & Recommendations

1

Daily Site Visit Report



Site Photos

Viewing Direction: West



BH24-24 at 4ft bgs. Samples taken at 0, 2, and 4ft bgs.

Viewing Direction: West



BH24-25 at 4ft bgs. Samples taken at 0, 2, and 4ft bgs.

Viewing Direction: West



BH24-26 at 4ft bgs. Samples taken at 0, 2, and 4ft bgs.





Viewing Direction: West



BH24-27 at 4ft bgs. Samples taken at 0, 2, and 4ft bgs.



Daily Site Visit Report

<p>Viewing Direction: Northeast</p>  <p>Descriptive Photo - 8 Viewing Direction: Northeast Desc: BH24-28 at 4ft bgs. Created: 9/25/2024 9:52:30 AM Lat:32.516191, Long:-104.060860</p> <p>BH24-28 at 4ft bgs. Samples taken at 0, 2, and 4ft bgs.</p>	<p>Viewing Direction: North</p>  <p>Descriptive Photo - 8 Viewing Direction: North Desc: BH24-29 at 4ft bgs. Created: 9/25/2024 10:15:28 AM Lat:32.516517, Long:-104.059549</p> <p>BH24-29 at 4ft bgs. Samples taken at 0, 2, and 4ft bgs.</p>
<p>Viewing Direction: East</p>  <p>Descriptive Photo - 8 Viewing Direction: Northeast Desc: BH24-30 at 4ft bgs. Created: 9/25/2024 11:21:01 AM Lat:32.516517, Long:-104.059549</p> <p>BH24-30 at 4ft bgs. Samples taken at 0, 2, and 4ft bgs.</p>	<p>Viewing Direction: East</p>  <p>Descriptive Photo - 8 Viewing Direction: East Desc: BH24-31 at 4ft bgs. Created: 9/25/2024 11:21:01 AM Lat:32.516517, Long:-104.059549</p> <p>BH24-31 at 4ft bgs. Samples taken at 0, 2, and 4ft bgs.</p>



Daily Site Visit Report

Viewing Direction: North



BH24-32 at 4ft bgs. Samples taken at 0, 2, and 4ft bgs.

Viewing Direction: North



BH24-33 at 4ft bgs. Samples taken at 0, 2, and 4ft bgs.

Viewing Direction: West



BH24-34 at 4ft bgs. Samples taken at 0, 2, and 4ft bgs.

Daily Site Visit Report



Daily Site Visit Signature

Inspector: John Rewis

Signature:



Daily Site Visit Report

Client:	Production Waste Solutions, LLC	Inspection Date:	9/26/2024
Site Location Name:	Sand Point Reclamation Facility	Report Run Date:	10/6/2024 11:49 PM
Client Contact Name:	Terry Townsend	API #:	
Client Contact Phone #:	432-524-9389		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site 9/26/2024 8:05 AM

Departed Site

Field Notes

- 11:30** Arrived on site, completed safety paperwork and conducted a site walkthrough while using the magnetic line locator in areas of planned ground disturbance.
- 11:33** Collected samples BH24-35 through BH24-43. Samples BH24-36, 37, 38, 41, 43 hit refusal around 2.5 to 3ft bgs. Sample BH24-42 hit refusal after 1ft bgs. All refusal samples came front the south side of the property.
- 11:39** 20 samples in total were collected today. All 20 samples were field screened for chlorides using silver nitrate titration. Samples BH24-35, 36, 37, 41, and 42 exceeded NMOCD strictest criteria for chlorides.
- 11:40** All 20 samples were jarred and sent to the lab for further analysis

Next Steps & Recommendations

1

Daily Site Visit Report



Site Photos

Viewing Direction: Northwest



BH24-35 at 3ft bgs. Samples taken at 0, 2, and 3ft. Refusal east hit at 3ft bgs.

Viewing Direction: Northeast



BH24-36 at 2.5ft bgs where refusal was hit. Samples taken at 0 and 2ft bgs.

Viewing Direction: North



BH24-37 at 4ft bgs. Samples were taken at 0, 2, and 4ft bgs.

Viewing Direction: East



BH24-38 at bgs. Samples taken at 0, 2, and 4ft bgs.



Daily Site Visit Report

Viewing Direction: Southeast



BH24-39 at 4ft bgs. Samples taken at 0, 2, and 4ft bgs.

Viewing Direction: South



BH24-40 at 4ft bgs. Samples taken at 0, 2, and 4ft bgs.

Viewing Direction: Northeast



BH24-41 at 2ft bgs. Samples collected at 0 and 2ft bgs. Sample point hit refusal at 3ft bgs.

Viewing Direction: West



BH24-42 at 1ft bgs. Sample hit refusal at 1ft bgs. Sample collected at 0ft bgs.



Daily Site Visit Report

Viewing Direction: North



BH24-43 at 3ft bgs. Sample point hit refusal at 3 ft bgs. Samples taken at 0 and 2ft bgs.

Daily Site Visit Report



Daily Site Visit Signature

Inspector: John Rewis

Signature:

Signature A handwritten signature in black ink, consisting of a large, stylized 'J' followed by a series of loops and a final 'R'.



Daily Site Visit Report

Client:	Production Waste Solutions, LLC	Incident ID #:	
Site Location Name:	Sand Point Reclamation Facility	API #:	
Inspection Date:	12/4/2025		

Summary of Times

Arrived at Site	12/4/2025 1:30 PM
Departed Site	12/4/2025 2:30 PM

Daily Site Visit Report



Field Notes

13:22 Travel to site/ safety paperwork

13:29 BH25-36 was excavated

14:23 Samples were collected at 3-5'

13:29 Samples were field screened

Next Steps & Recommendations

1 Send samples to lab for further analysis

2 Create SOW

3 Remediation

4 Report writing and backfill

Daily Site Visit Report



Site Photos

Viewing Direction: West



BH25-36 @ 3'

Viewing Direction: North



BH25-36 @ 3-7' in 1' increments

Viewing Direction: North



Excav down to 7'

Viewing Direction: West



Excav down to 7'

Daily Site Visit Report



Daily Site Visit Signature

Inspector: Riley Arnold

Signature:

A handwritten signature in black ink, appearing to be 'R. Arnold', written over a thin horizontal line. Below the line, the word 'Signature' is printed in a small, light gray font.



Daily Site Visit Report

Client:	Production Waste Solutions, LLC	Incident ID #:	
Site Location Name:	Sand Point Reclamation Facility	API #:	
Inspection Date:	12/4/2025		

Summary of Times

Arrived at Site	12/4/2025 1:30 PM
Departed Site	12/4/2025 2:30 PM

ATTACHMENT 4
Laboratory Data Reports with Chain of Custody Forms



Environment Testing

1

2

3

4

5

6

7

8

9

10

11

ANALYTICAL REPORT

PREPARED FOR

Attn: Chad Hensley
Vertex
3101 Boyd Dr
Carlsbad, New Mexico 88220

Generated 10/3/2024 4:59:45 PM

JOB DESCRIPTION

Sand Point Reclamation Facility

JOB NUMBER

885-12721-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Authorized for release by
Cheyenne Cason, Project Manager
cheyenne.cason@et.eurofinsus.com
(505)345-3975

Generated
10/3/2024 4:59:45 PM

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Laboratory Job ID: 885-12721-1



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Definitions/Glossary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
SQL	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: Vertex
Project: Sand Point Reclamation Facility

Job ID: 885-12721-1

Job ID: 885-12721-1

Eurofins Albuquerque

Job Narrative 885-12721-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 9/27/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 0.9°C, 4.2°C and 5.5°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-92237 and 880-92247 and analytical batch 880-92217 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH24-23 0' (885-12721-66), BH24-26 2' (885-12721-76), BH24-27 4' (885-12721-80), BH24-29 4' (885-12721-86), BH24-31 0' (885-12721-90) and BH24-32 2' (885-12721-94). Evidence of matrix interferences is not obvious.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-92216 recovered above the upper control limit for Ethylbenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: (CCV 880-92216/51) and (CCV 880-92216/64).

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-92318 recovered under the lower control limit for Toluene and Ethylbenzene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-92348 and analytical batch 880-92439 was outside the upper control limits.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-92441 and analytical batch 880-92440 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH24-28 4' (885-12721-83), BH24-30 0' (885-12721-87) and BH24-32 4' (885-12721-95). Evidence of matrix interferences is not obvious.

Method 8021B: Surrogate recovery for the following sample was outside control limits: BH24-12 0' (885-12721-34). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-92048 and analytical batch 880-92175 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-92048/2-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-92048/3-A). Evidence of matrix interferences is not obvious.

Eurofins Albuquerque

Case Narrative

Client: Vertex
Project: Sand Point Reclamation Facility

Job ID: 885-12721-1

Job ID: 885-12721-1 (Continued)

Eurofins Albuquerque

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-92131/2-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-92131 and analytical batch 880-92279 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-92130 and analytical batch 880-92281 was outside the control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-92130 and analytical batch 880-92281 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH24-13 0' (885-12721-37), BH24-19 0' (885-12721-54), BH24-21 4' (885-12721-62), BH24-22 0' (885-12721-63), BH24-22 2' (885-12721-64), BH24-23 2' (885-12721-67), BH24-29 4' (885-12721-86), BH24-31 0' (885-12721-90), BH24-31 4' (885-12721-92) and BH24-32 2' (885-12721-94). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: BH24-20 4' (885-12721-59), BH24-23 0' (885-12721-66) and BH24-33 4' (885-12721-98). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-92139 and analytical batch 880-92333 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (LCS 880-92139/2-A) and (LCSD 880-92139/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-92169 and analytical batch 880-92335 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-92169/2-A) and (LCSD 880-92169/3-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH24-13 4' (885-12721-39), BH24-15 2' (885-12721-43) and BH24-15 4' (885-12721-44). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-92346 and analytical batch 880-92339 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike (MS) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-92346 and analytical batch 880-92339 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: BH24-29 2' (885-12721-85), BH24-30 4' (885-12721-89), BH24-33 0' (885-12721-96) and BH24-34 4' (885-12721-101). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-92346/2-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-92344 and analytical batch 880-92337 recovered outside control limits for the following analytes: Gasoline Range Organics (GRO)-C6-C10 and Diesel Range Organics (Over C10-C28).

Eurofins Albuquerque

Case Narrative

Client: Vertex
Project: Sand Point Reclamation Facility

Job ID: 885-12721-1

Job ID: 885-12721-1 (Continued)

Eurofins Albuquerque

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-92344 and analytical batch 880-92337 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD_NM: The method blank for preparation batch 880-92344 and analytical batch 880-92337 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples 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 880-91981 and analytical batch 880-92375 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 within acceptance limits.

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

Eurofins Albuquerque

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-01 0'

Lab Sample ID: 885-12721-1

Date Collected: 09/23/24 08:00

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/02/24 23:23	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/02/24 23:23	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/02/24 23:23	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/02/24 23:23	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	86		70 - 130			10/02/24 10:32	10/02/24 23:23	1	
1,4-Difluorobenzene (Surr)	95		70 - 130			10/02/24 10:32	10/02/24 23:23	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/02/24 20:35	1	
Diesel Range Organics (Over C10-C28)	56		50	mg/Kg		09/30/24 12:22	10/02/24 20:35	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 20:35	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	106		70 - 130			09/30/24 12:22	10/02/24 20:35	1	
o-Terphenyl	88		70 - 130			09/30/24 12:22	10/02/24 20:35	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	660		5.0	mg/Kg			10/02/24 19:22	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-01 2'

Lab Sample ID: 885-12721-2

Date Collected: 09/23/24 08:05

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 22:37	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 22:37	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 22:37	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/01/24 22:37	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	87		70 - 130			10/01/24 11:06	10/01/24 22:37	1	
1,4-Difluorobenzene (Surr)	96		70 - 130			10/01/24 11:06	10/01/24 22:37	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/29/24 20:59	10/01/24 16:38	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 16:38	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 16:38	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	94		70 - 130			09/29/24 20:59	10/01/24 16:38	1	
o-Terphenyl	72		70 - 130			09/29/24 20:59	10/01/24 16:38	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	14		5.0	mg/Kg			10/01/24 20:27	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-01 4'

Lab Sample ID: 885-12721-3

Date Collected: 09/23/24 08:10

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/02/24 23:43	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/02/24 23:43	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/02/24 23:43	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/02/24 23:43	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	93		70 - 130			10/02/24 10:32	10/02/24 23:43	1	
1,4-Difluorobenzene (Surr)	87		70 - 130			10/02/24 10:32	10/02/24 23:43	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/02/24 21:24	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 21:24	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 21:24	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	110		70 - 130			09/30/24 12:22	10/02/24 21:24	1	
o-Terphenyl	87		70 - 130			09/30/24 12:22	10/02/24 21:24	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	30		5.0	mg/Kg			10/02/24 19:38	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-02 0'

Lab Sample ID: 885-12721-4

Date Collected: 09/23/24 08:15

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 00:04	1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 00:04	1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 00:04	1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 00:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130			10/02/24 10:32	10/03/24 00:04	1
1,4-Difluorobenzene (Surr)	73		70 - 130			10/02/24 10:32	10/03/24 00:04	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/02/24 21:40	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 21:40	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 21:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			09/30/24 12:22	10/02/24 21:40	1
o-Terphenyl	84		70 - 130			09/30/24 12:22	10/02/24 21:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	430		5.1	mg/Kg			10/02/24 19:44	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-02 2'

Lab Sample ID: 885-12721-5

Date Collected: 09/23/24 08:20

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 00:25	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 00:25	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 00:25	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 00:25	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	90		70 - 130			10/02/24 10:32	10/03/24 00:25	1	
1,4-Difluorobenzene (Surr)	92		70 - 130			10/02/24 10:32	10/03/24 00:25	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/02/24 21:57	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 21:57	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 21:57	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	106		70 - 130			09/30/24 12:22	10/02/24 21:57	1	
o-Terphenyl	84		70 - 130			09/30/24 12:22	10/02/24 21:57	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	42		5.0	mg/Kg			10/02/24 19:49	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-02 4'

Lab Sample ID: 885-12721-6

Date Collected: 09/23/24 08:25

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 00:45	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 00:45	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 00:45	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 00:45	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	92		70 - 130			10/02/24 10:32	10/03/24 00:45	1	
1,4-Difluorobenzene (Surr)	95		70 - 130			10/02/24 10:32	10/03/24 00:45	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/02/24 22:13	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 22:13	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 22:13	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	108		70 - 130			09/30/24 12:22	10/02/24 22:13	1	
o-Terphenyl	85		70 - 130			09/30/24 12:22	10/02/24 22:13	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	14		5.0	mg/Kg			10/02/24 19:55	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-03 0'

Lab Sample ID: 885-12721-7

Date Collected: 09/23/24 08:30

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 01:06	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 01:06	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 01:06	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 01:06	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	90		70 - 130			10/02/24 10:32	10/03/24 01:06	1	
1,4-Difluorobenzene (Surr)	93		70 - 130			10/02/24 10:32	10/03/24 01:06	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/02/24 22:30	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 22:30	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 22:30	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	103		70 - 130			09/30/24 12:22	10/02/24 22:30	1	
o-Terphenyl	83		70 - 130			09/30/24 12:22	10/02/24 22:30	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1100		5.0	mg/Kg			10/02/24 20:11	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-03 2'

Lab Sample ID: 885-12721-8

Date Collected: 09/23/24 08:35

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 01:26	1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 01:26	1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 01:26	1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 01:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130			10/02/24 10:32	10/03/24 01:26	1
1,4-Difluorobenzene (Surr)	91		70 - 130			10/02/24 10:32	10/03/24 01:26	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/02/24 22:46	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 22:46	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 22:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			09/30/24 12:22	10/02/24 22:46	1
o-Terphenyl	82		70 - 130			09/30/24 12:22	10/02/24 22:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64		5.0	mg/Kg			10/02/24 20:16	1

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-03 4'

Lab Sample ID: 885-12721-9

Date Collected: 09/23/24 08:40

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 22:57		1
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 22:57		1
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 22:57		1
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/01/24 22:57		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	107		70 - 130			10/01/24 11:06	10/01/24 22:57		1
1,4-Difluorobenzene (Surr)	93		70 - 130			10/01/24 11:06	10/01/24 22:57		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/29/24 20:59	10/01/24 16:55		1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 16:55		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 16:55		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	102		70 - 130			09/29/24 20:59	10/01/24 16:55		1
o-Terphenyl	77		70 - 130			09/29/24 20:59	10/01/24 16:55		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	25		5.1	mg/Kg			10/01/24 20:43		1

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-04 0'

Lab Sample ID: 885-12721-10

Date Collected: 09/23/24 08:45

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 01:47	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 01:47	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 01:47	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 01:47	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	94		70 - 130			10/02/24 10:32	10/03/24 01:47	1	
1,4-Difluorobenzene (Surr)	96		70 - 130			10/02/24 10:32	10/03/24 01:47	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/02/24 23:01	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 23:01	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 23:01	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	110		70 - 130			09/30/24 12:22	10/02/24 23:01	1	
o-Terphenyl	89		70 - 130			09/30/24 12:22	10/02/24 23:01	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	640		4.8	mg/Kg			10/02/24 20:22	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-04 2'

Lab Sample ID: 885-12721-11

Date Collected: 09/23/24 08:50

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 23:18	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 23:18	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 23:18	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/01/24 23:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	88		70 - 130			10/01/24 11:06	10/01/24 23:18	1	
1,4-Difluorobenzene (Surr)	95		70 - 130			10/01/24 11:06	10/01/24 23:18	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/29/24 20:59	10/01/24 17:11	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 17:11	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 17:11	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	98		70 - 130			09/29/24 20:59	10/01/24 17:11	1	
o-Terphenyl	75		70 - 130			09/29/24 20:59	10/01/24 17:11	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	42		5.0	mg/Kg			10/01/24 20:49	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-04 4'

Lab Sample ID: 885-12721-12

Date Collected: 09/23/24 08:55

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 02:07	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 02:07	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 02:07	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 02:07	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	89		70 - 130			10/02/24 10:32	10/03/24 02:07	1	
1,4-Difluorobenzene (Surr)	91		70 - 130			10/02/24 10:32	10/03/24 02:07	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/02/24 23:18	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 23:18	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 23:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	111		70 - 130			09/30/24 12:22	10/02/24 23:18	1	
o-Terphenyl	87		70 - 130			09/30/24 12:22	10/02/24 23:18	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	8.4		5.0	mg/Kg			10/02/24 20:27	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-05 0' Lab Sample ID: 885-12721-13
Date Collected: 09/23/24 09:00 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 23:38		1
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 23:38		1
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 23:38		1
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/01/24 23:38		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	91		70 - 130			10/01/24 11:06	10/01/24 23:38		1
1,4-Difluorobenzene (Surr)	93		70 - 130			10/01/24 11:06	10/01/24 23:38		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/29/24 20:59	10/01/24 17:28		1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 17:28		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 17:28		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	102		70 - 130			09/29/24 20:59	10/01/24 17:28		1
o-Terphenyl	78		70 - 130			09/29/24 20:59	10/01/24 17:28		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	640		5.0	mg/Kg			10/01/24 20:54		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-05 2'

Lab Sample ID: 885-12721-14

Date Collected: 09/23/24 09:05

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 02:28	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 02:28	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 02:28	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 02:28	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	88		70 - 130			10/02/24 10:32	10/03/24 02:28	1	
1,4-Difluorobenzene (Surr)	91		70 - 130			10/02/24 10:32	10/03/24 02:28	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/02/24 23:34	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 23:34	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 23:34	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	110		70 - 130			09/30/24 12:22	10/02/24 23:34	1	
o-Terphenyl	87		70 - 130			09/30/24 12:22	10/02/24 23:34	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	10		5.1	mg/Kg			10/02/24 20:32	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-05 4' Lab Sample ID: 885-12721-15
Date Collected: 09/23/24 09:10 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 03:53	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 03:53	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 03:53	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 03:53	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	86		70 - 130			10/02/24 10:32	10/03/24 03:53	1	
1,4-Difluorobenzene (Surr)	93		70 - 130			10/02/24 10:32	10/03/24 03:53	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/03/24 00:06	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 00:06	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 00:06	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	104		70 - 130			09/30/24 12:22	10/03/24 00:06	1	
o-Terphenyl	82		70 - 130			09/30/24 12:22	10/03/24 00:06	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		5.0	mg/Kg			10/02/24 20:38	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-06 0' Lab Sample ID: 885-12721-16
Date Collected: 09/23/24 09:15 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 04:13		1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 04:13		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 04:13		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 04:13		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	90		70 - 130			10/02/24 10:32	10/03/24 04:13		1
1,4-Difluorobenzene (Surr)	92		70 - 130			10/02/24 10:32	10/03/24 04:13		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/03/24 00:23		1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 00:23		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 00:23		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	105		70 - 130			09/30/24 12:22	10/03/24 00:23		1
o-Terphenyl	84		70 - 130			09/30/24 12:22	10/03/24 00:23		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	10		5.0	mg/Kg			10/02/24 20:54		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-06 2'

Lab Sample ID: 885-12721-17

Date Collected: 09/23/24 09:20

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 23:59	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 23:59	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 23:59	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/01/24 23:59	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	101		70 - 130			10/01/24 11:06	10/01/24 23:59	1	
1,4-Difluorobenzene (Surr)	86		70 - 130			10/01/24 11:06	10/01/24 23:59	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/29/24 20:59	10/01/24 17:44	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 17:44	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 17:44	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	98		70 - 130			09/29/24 20:59	10/01/24 17:44	1	
o-Terphenyl	75		70 - 130			09/29/24 20:59	10/01/24 17:44	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	14		5.0	mg/Kg			10/01/24 21:00	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-06 4'

Lab Sample ID: 885-12721-18

Date Collected: 09/23/24 09:25

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 00:19		1
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 00:19		1
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 00:19		1
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 00:19		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	95		70 - 130			10/01/24 11:06	10/02/24 00:19		1
1,4-Difluorobenzene (Surr)	82		70 - 130			10/01/24 11:06	10/02/24 00:19		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/29/24 20:59	10/01/24 18:01		1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 18:01		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 18:01		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	103		70 - 130			09/29/24 20:59	10/01/24 18:01		1
o-Terphenyl	80		70 - 130			09/29/24 20:59	10/01/24 18:01		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	21		5.0	mg/Kg			10/01/24 21:16		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-07 0' Lab Sample ID: 885-12721-19
Date Collected: 09/23/24 09:30 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 04:34	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 04:34	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 04:34	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 04:34	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	92		70 - 130			10/02/24 10:32	10/03/24 04:34	1	
1,4-Difluorobenzene (Surr)	93		70 - 130			10/02/24 10:32	10/03/24 04:34	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/03/24 00:39	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 00:39	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 00:39	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	101		70 - 130			09/30/24 12:22	10/03/24 00:39	1	
o-Terphenyl	81		70 - 130			09/30/24 12:22	10/03/24 00:39	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	120		5.0	mg/Kg			10/02/24 20:59	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-07 2'

Lab Sample ID: 885-12721-20

Date Collected: 09/23/24 09:35

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 04:54	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 04:54	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 04:54	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 04:54	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	90		70 - 130			10/02/24 10:32	10/03/24 04:54	1	
1,4-Difluorobenzene (Surr)	93		70 - 130			10/02/24 10:32	10/03/24 04:54	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/03/24 00:55	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 00:55	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 00:55	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	116		70 - 130			09/30/24 12:22	10/03/24 00:55	1	
o-Terphenyl	93		70 - 130			09/30/24 12:22	10/03/24 00:55	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	38		5.0	mg/Kg			10/02/24 21:16	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-07 4'

Lab Sample ID: 885-12721-21

Date Collected: 09/23/24 09:40

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 05:15	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 05:15	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 05:15	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 05:15	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	89		70 - 130			10/02/24 10:32	10/03/24 05:15	1	
1,4-Difluorobenzene (Surr)	94		70 - 130			10/02/24 10:32	10/03/24 05:15	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/03/24 01:13	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 01:13	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 01:13	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	107		70 - 130			09/30/24 12:22	10/03/24 01:13	1	
o-Terphenyl	86		70 - 130			09/30/24 12:22	10/03/24 01:13	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	15		5.0	mg/Kg			10/02/24 21:21	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-08 0'
Date Collected: 09/23/24 09:40
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-22
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 00:40	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 00:40	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 00:40	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 00:40	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	87		70 - 130			10/01/24 11:06	10/02/24 00:40	1	
1,4-Difluorobenzene (Surr)	94		70 - 130			10/01/24 11:06	10/02/24 00:40	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/29/24 20:59	10/01/24 18:17	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 18:17	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 18:17	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	97		70 - 130			09/29/24 20:59	10/01/24 18:17	1	
o-Terphenyl	73		70 - 130			09/29/24 20:59	10/01/24 18:17	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	1.1		0.050	mg/Kg			10/01/24 21:21	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-08 2'

Lab Sample ID: 885-12721-23

Date Collected: 09/23/24 09:45

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 05:35	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 05:35	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 05:35	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 05:35	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	92		70 - 130			10/02/24 10:32	10/03/24 05:35	1	
1,4-Difluorobenzene (Surr)	87		70 - 130			10/02/24 10:32	10/03/24 05:35	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/03/24 01:28	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 01:28	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 01:28	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	110		70 - 130			09/30/24 12:22	10/03/24 01:28	1	
o-Terphenyl	87		70 - 130			09/30/24 12:22	10/03/24 01:28	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	80		5.0	mg/Kg			10/02/24 21:26	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-08 4' Lab Sample ID: 885-12721-24
Date Collected: 09/23/24 09:50 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 05:56	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 05:56	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 05:56	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 05:56	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	90		70 - 130			10/02/24 10:32	10/03/24 05:56	1	
1,4-Difluorobenzene (Surr)	92		70 - 130			10/02/24 10:32	10/03/24 05:56	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/03/24 01:44	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 01:44	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 01:44	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	100		70 - 130			09/30/24 12:22	10/03/24 01:44	1	
o-Terphenyl	81		70 - 130			09/30/24 12:22	10/03/24 01:44	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	62		5.0	mg/Kg			10/02/24 21:32	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-09 0'

Lab Sample ID: 885-12721-25

Date Collected: 09/24/24 10:25

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 06:17	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 06:17	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 06:17	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 06:17	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	93		70 - 130			10/02/24 10:32	10/03/24 06:17	1	
1,4-Difluorobenzene (Surr)	84		70 - 130			10/02/24 10:32	10/03/24 06:17	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/03/24 02:02	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 02:02	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 02:02	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	106		70 - 130			09/30/24 12:22	10/03/24 02:02	1	
o-Terphenyl	84		70 - 130			09/30/24 12:22	10/03/24 02:02	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	32		5.0	mg/Kg			10/02/24 21:37	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-09 2' Lab Sample ID: 885-12721-26
Date Collected: 09/24/24 10:30 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 06:37	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 06:37	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 06:37	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 06:37	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	93		70 - 130			10/02/24 10:32	10/03/24 06:37	1	
1,4-Difluorobenzene (Surr)	90		70 - 130			10/02/24 10:32	10/03/24 06:37	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/03/24 02:18	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 02:18	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 02:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	121		70 - 130			09/30/24 12:22	10/03/24 02:18	1	
o-Terphenyl	95		70 - 130			09/30/24 12:22	10/03/24 02:18	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	53		5.0	mg/Kg			10/02/24 21:43	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-09 4'

Lab Sample ID: 885-12721-27

Date Collected: 09/24/24 10:35

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 06:58	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 06:58	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/03/24 06:58	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/03/24 06:58	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	92		70 - 130			10/02/24 10:32	10/03/24 06:58	1	
1,4-Difluorobenzene (Surr)	93		70 - 130			10/02/24 10:32	10/03/24 06:58	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/03/24 02:34	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 02:34	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/03/24 02:34	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	104		70 - 130			09/30/24 12:22	10/03/24 02:34	1	
o-Terphenyl	81		70 - 130			09/30/24 12:22	10/03/24 02:34	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	34		5.0	mg/Kg			10/02/24 21:48	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-10 0'

Lab Sample ID: 885-12721-28

Date Collected: 09/23/24 10:30

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 12:38	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 12:38	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 12:38	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:40	10/03/24 12:38	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	122		70 - 130			10/02/24 10:40	10/03/24 12:38	1	
1,4-Difluorobenzene (Surr)	108		70 - 130			10/02/24 10:40	10/03/24 12:38	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/02/24 20:35	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 20:35	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 20:35	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	106		70 - 130			09/30/24 14:54	10/02/24 20:35	1	
o-Terphenyl	98		70 - 130			09/30/24 14:54	10/02/24 20:35	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	120		5.0	mg/Kg			10/03/24 08:38	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-10 2' Lab Sample ID: 885-12721-29
Date Collected: 09/23/24 10:35 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 01:00		1
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 01:00		1
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 01:00		1
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 01:00		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	89		70 - 130			10/01/24 11:06	10/02/24 01:00		1
1,4-Difluorobenzene (Surr)	98		70 - 130			10/01/24 11:06	10/02/24 01:00		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/29/24 20:59	10/01/24 18:34		1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 18:34		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 18:34		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	94		70 - 130			09/29/24 20:59	10/01/24 18:34		1
o-Terphenyl	71		70 - 130			09/29/24 20:59	10/01/24 18:34		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	24		5.0	mg/Kg			10/01/24 21:27		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-10 4'
Date Collected: 09/24/24 10:40
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-30
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 12:59		1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 12:59		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 12:59		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:40	10/03/24 12:59		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	114		70 - 130			10/02/24 10:40	10/03/24 12:59		1
1,4-Difluorobenzene (Surr)	109		70 - 130			10/02/24 10:40	10/03/24 12:59		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/02/24 21:24		1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 21:24		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 21:24		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	111		70 - 130			09/30/24 14:54	10/02/24 21:24		1
o-Terphenyl	104		70 - 130			09/30/24 14:54	10/02/24 21:24		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	50		5.1	mg/Kg			10/03/24 00:23		1

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-11 0'

Lab Sample ID: 885-12721-31

Date Collected: 09/23/24 10:40

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 13:57	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 13:57	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 13:57	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:40	10/03/24 13:57	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	113		70 - 130			10/02/24 10:40	10/03/24 13:57	1	
1,4-Difluorobenzene (Surr)	100		70 - 130			10/02/24 10:40	10/03/24 13:57	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/02/24 21:40	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 21:40	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 21:40	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	93		70 - 130			09/30/24 14:54	10/02/24 21:40	1	
o-Terphenyl	85		70 - 130			09/30/24 14:54	10/02/24 21:40	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	36		5.0	mg/Kg			10/03/24 00:29	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-11 2'

Lab Sample ID: 885-12721-32

Date Collected: 09/23/24 10:45

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 14:18	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 14:18	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 14:18	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:40	10/03/24 14:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	125		70 - 130			10/02/24 10:40	10/03/24 14:18	1	
1,4-Difluorobenzene (Surr)	108		70 - 130			10/02/24 10:40	10/03/24 14:18	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/02/24 21:57	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 21:57	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 21:57	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	117		70 - 130			09/30/24 14:54	10/02/24 21:57	1	
o-Terphenyl	108		70 - 130			09/30/24 14:54	10/02/24 21:57	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	24		5.0	mg/Kg			10/03/24 08:58	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-11 4'

Lab Sample ID: 885-12721-33

Date Collected: 09/24/24 10:45

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 01:21		1
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 01:21		1
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 01:21		1
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 01:21		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	89		70 - 130			10/01/24 11:06	10/02/24 01:21		1
1,4-Difluorobenzene (Surr)	91		70 - 130			10/01/24 11:06	10/02/24 01:21		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/29/24 20:59	10/01/24 18:50		1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 18:50		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 18:50		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	101		70 - 130			09/29/24 20:59	10/01/24 18:50		1
o-Terphenyl	75		70 - 130			09/29/24 20:59	10/01/24 18:50		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	21		5.0	mg/Kg			10/01/24 21:32		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-12 0'

Lab Sample ID: 885-12721-34

Date Collected: 09/23/24 10:50

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 14:38	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 14:38	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 14:38	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:40	10/03/24 14:38	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130			10/02/24 10:40	10/03/24 14:38	1	
1,4-Difluorobenzene (Surr)	106		70 - 130			10/02/24 10:40	10/03/24 14:38	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/02/24 22:13	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 22:13	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 22:13	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	90		70 - 130			09/30/24 14:54	10/02/24 22:13	1	
o-Terphenyl	84		70 - 130			09/30/24 14:54	10/02/24 22:13	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	23		5.0	mg/Kg			10/03/24 00:38	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-12 2'

Lab Sample ID: 885-12721-35

Date Collected: 09/23/24 10:55

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 14:59	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 14:59	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 14:59	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:40	10/03/24 14:59	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	126		70 - 130			10/02/24 10:40	10/03/24 14:59	1	
1,4-Difluorobenzene (Surr)	110		70 - 130			10/02/24 10:40	10/03/24 14:59	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/02/24 22:30	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 22:30	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 22:30	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	113		70 - 130			09/30/24 14:54	10/02/24 22:30	1	
o-Terphenyl	104		70 - 130			09/30/24 14:54	10/02/24 22:30	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	53		5.0	mg/Kg			10/03/24 00:57	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-12 4'

Lab Sample ID: 885-12721-36

Date Collected: 09/23/24 11:00

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 01:41		1
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 01:41		1
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 01:41		1
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 01:41		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	90		70 - 130			10/01/24 11:06	10/02/24 01:41		1
1,4-Difluorobenzene (Surr)	89		70 - 130			10/01/24 11:06	10/02/24 01:41		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	F1	50	mg/Kg		09/30/24 12:07	10/01/24 14:56		1
Diesel Range Organics (Over C10-C28)	ND	F1	50	mg/Kg		09/30/24 12:07	10/01/24 14:56		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 14:56		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	71		70 - 130			09/30/24 12:07	10/01/24 14:56		1
o-Terphenyl	74		70 - 130			09/30/24 12:07	10/01/24 14:56		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	15		5.0	mg/Kg			10/01/24 21:38		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-13 0' Lab Sample ID: 885-12721-37
Date Collected: 09/24/24 11:05 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 03:05	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 03:05	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 03:05	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 03:05	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	86		70 - 130			10/01/24 11:06	10/02/24 03:05	1	
1,4-Difluorobenzene (Surr)	95		70 - 130			10/01/24 11:06	10/02/24 03:05	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 15:43	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 15:43	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 15:43	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	68	S1-	70 - 130			09/30/24 12:07	10/01/24 15:43	1	
o-Terphenyl	71		70 - 130			09/30/24 12:07	10/01/24 15:43	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	26		5.1	mg/Kg			10/01/24 21:43	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-13 2'

Lab Sample ID: 885-12721-38

Date Collected: 09/24/24 11:15

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 15:20	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 15:20	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 15:20	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:40	10/03/24 15:20	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	127		70 - 130			10/02/24 10:40	10/03/24 15:20	1	
1,4-Difluorobenzene (Surr)	113		70 - 130			10/02/24 10:40	10/03/24 15:20	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/02/24 22:46	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 22:46	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 22:46	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	120		70 - 130			09/30/24 14:54	10/02/24 22:46	1	
o-Terphenyl	109		70 - 130			09/30/24 14:54	10/02/24 22:46	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	12		5.0	mg/Kg			10/03/24 01:03	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-13 4' Lab Sample ID: 885-12721-39
Date Collected: 09/24/24 11:20 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 15:40	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 15:40	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 15:40	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:40	10/03/24 15:40	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	123		70 - 130			10/02/24 10:40	10/03/24 15:40	1	
1,4-Difluorobenzene (Surr)	101		70 - 130			10/02/24 10:40	10/03/24 15:40	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/02/24 23:01	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 23:01	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 23:01	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	132	S1+	70 - 130			09/30/24 14:54	10/02/24 23:01	1	
o-Terphenyl	122		70 - 130			09/30/24 14:54	10/02/24 23:01	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	7.8		5.0	mg/Kg			10/03/24 13:33	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-14 0'

Lab Sample ID: 885-12721-40

Date Collected: 09/23/24 11:25

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 03:26	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 03:26	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 03:26	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 03:26	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	91		70 - 130			10/01/24 11:06	10/02/24 03:26	1	
1,4-Difluorobenzene (Surr)	96		70 - 130			10/01/24 11:06	10/02/24 03:26	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 15:58	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 15:58	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 15:58	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	71		70 - 130			09/30/24 12:07	10/01/24 15:58	1	
o-Terphenyl	75		70 - 130			09/30/24 12:07	10/01/24 15:58	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	15		5.1	mg/Kg			10/01/24 21:59	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-14 2'

Lab Sample ID: 885-12721-41

Date Collected: 09/23/24 11:30

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 11:27	1	
Toluene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 11:27	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 11:27	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/03/24 08:18	10/03/24 11:27	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	84		70 - 130			10/03/24 08:18	10/03/24 11:27	1	
1,4-Difluorobenzene (Surr)	96		70 - 130			10/03/24 08:18	10/03/24 11:27	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/02/24 23:18	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 23:18	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 23:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	115		70 - 130			09/30/24 14:54	10/02/24 23:18	1	
o-Terphenyl	103		70 - 130			09/30/24 14:54	10/02/24 23:18	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	6.0		5.1	mg/Kg			10/03/24 13:38	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-15 0' Lab Sample ID: 885-12721-42
Date Collected: 09/24/24 11:45 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 03:46		1
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 03:46		1
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 03:46		1
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 03:46		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	91		70 - 130			10/01/24 11:06	10/02/24 03:46		1
1,4-Difluorobenzene (Surr)	91		70 - 130			10/01/24 11:06	10/02/24 03:46		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 16:13		1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 16:13		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 16:13		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	71		70 - 130			09/30/24 12:07	10/01/24 16:13		1
o-Terphenyl	74		70 - 130			09/30/24 12:07	10/01/24 16:13		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	240		5.0	mg/Kg			10/01/24 22:05		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-15 2'

Lab Sample ID: 885-12721-43

Date Collected: 09/23/24 11:50

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 11:48	1	
Toluene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 11:48	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 11:48	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/03/24 08:18	10/03/24 11:48	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	88		70 - 130			10/03/24 08:18	10/03/24 11:48	1	
1,4-Difluorobenzene (Surr)	97		70 - 130			10/03/24 08:18	10/03/24 11:48	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/02/24 23:34	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 23:34	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 23:34	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	136	S1+	70 - 130			09/30/24 14:54	10/02/24 23:34	1	
o-Terphenyl	126		70 - 130			09/30/24 14:54	10/02/24 23:34	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	470	F1 F2	5.0	mg/Kg			10/03/24 14:30	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-15 4'

Lab Sample ID: 885-12721-44

Date Collected: 09/23/24 11:55

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 12:08	1	
Toluene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 12:08	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 12:08	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/03/24 08:18	10/03/24 12:08	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	86		70 - 130			10/03/24 08:18	10/03/24 12:08	1	
1,4-Difluorobenzene (Surr)	97		70 - 130			10/03/24 08:18	10/03/24 12:08	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/03/24 00:06	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 00:06	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 00:06	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	133	S1+	70 - 130			09/30/24 14:54	10/03/24 00:06	1	
o-Terphenyl	124		70 - 130			09/30/24 14:54	10/03/24 00:06	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	140		5.0	mg/Kg			10/03/24 14:43	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-16 0' Lab Sample ID: 885-12721-45
Date Collected: 09/24/24 12:00 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 12:29	1	
Toluene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 12:29	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 12:29	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/03/24 08:18	10/03/24 12:29	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	89		70 - 130			10/03/24 08:18	10/03/24 12:29	1	
1,4-Difluorobenzene (Surr)	98		70 - 130			10/03/24 08:18	10/03/24 12:29	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/03/24 00:23	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 00:23	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 00:23	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	116		70 - 130			09/30/24 14:54	10/03/24 00:23	1	
o-Terphenyl	108		70 - 130			09/30/24 14:54	10/03/24 00:23	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	17		5.0	mg/Kg			10/03/24 14:49	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-16 2'

Lab Sample ID: 885-12721-46

Date Collected: 09/23/24 12:05

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 12:49	1	
Toluene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 12:49	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 12:49	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/03/24 08:18	10/03/24 12:49	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	87		70 - 130			10/03/24 08:18	10/03/24 12:49	1	
1,4-Difluorobenzene (Surr)	97		70 - 130			10/03/24 08:18	10/03/24 12:49	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/03/24 00:39	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 00:39	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 00:39	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	130		70 - 130			09/30/24 14:54	10/03/24 00:39	1	
o-Terphenyl	120		70 - 130			09/30/24 14:54	10/03/24 00:39	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	14		5.0	mg/Kg			10/03/24 07:02	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-16 4'

Lab Sample ID: 885-12721-47

Date Collected: 09/23/24 12:10

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 13:10	1	
Toluene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 13:10	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 13:10	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/03/24 08:18	10/03/24 13:10	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	92		70 - 130			10/03/24 08:18	10/03/24 13:10	1	
1,4-Difluorobenzene (Surr)	94		70 - 130			10/03/24 08:18	10/03/24 13:10	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/03/24 00:55	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 00:55	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 00:55	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	122		70 - 130			09/30/24 14:54	10/03/24 00:55	1	
o-Terphenyl	113		70 - 130			09/30/24 14:54	10/03/24 00:55	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	27		5.0	mg/Kg			10/03/24 07:09	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-17 0'

Lab Sample ID: 885-12721-48

Date Collected: 09/24/24 08:00

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 13:31	1	
Toluene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 13:31	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 13:31	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/03/24 08:18	10/03/24 13:31	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	90		70 - 130			10/03/24 08:18	10/03/24 13:31	1	
1,4-Difluorobenzene (Surr)	95		70 - 130			10/03/24 08:18	10/03/24 13:31	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/03/24 01:13	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 01:13	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 01:13	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	127		70 - 130			09/30/24 14:54	10/03/24 01:13	1	
o-Terphenyl	117		70 - 130			09/30/24 14:54	10/03/24 01:13	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	120		5.0	mg/Kg			10/03/24 07:28	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-17 2'

Lab Sample ID: 885-12721-49

Date Collected: 09/24/24 08:05

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 13:51	1	
Toluene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 13:51	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 13:51	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/03/24 08:18	10/03/24 13:51	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	90		70 - 130			10/03/24 08:18	10/03/24 13:51	1	
1,4-Difluorobenzene (Surr)	91		70 - 130			10/03/24 08:18	10/03/24 13:51	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/03/24 01:28	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 01:28	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 01:28	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	122		70 - 130			09/30/24 14:54	10/03/24 01:28	1	
o-Terphenyl	113		70 - 130			09/30/24 14:54	10/03/24 01:28	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	21		5.0	mg/Kg			10/03/24 07:34	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-17 4'

Lab Sample ID: 885-12721-50

Date Collected: 09/24/24 08:10

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 14:12	1	
Toluene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 14:12	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 14:12	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/03/24 08:18	10/03/24 14:12	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	87		70 - 130			10/03/24 08:18	10/03/24 14:12	1	
1,4-Difluorobenzene (Surr)	98		70 - 130			10/03/24 08:18	10/03/24 14:12	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/03/24 01:44	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 01:44	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 01:44	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	122		70 - 130			09/30/24 14:54	10/03/24 01:44	1	
o-Terphenyl	110		70 - 130			09/30/24 14:54	10/03/24 01:44	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	5.4		5.0	mg/Kg			10/03/24 07:41	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-18 0' Lab Sample ID: 885-12721-51
Date Collected: 09/24/24 08:15 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 14:32	1	
Toluene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 14:32	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 14:32	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/03/24 08:18	10/03/24 14:32	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	89		70 - 130			10/03/24 08:18	10/03/24 14:32	1	
1,4-Difluorobenzene (Surr)	96		70 - 130			10/03/24 08:18	10/03/24 14:32	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/03/24 02:02	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 02:02	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 02:02	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	128		70 - 130			09/30/24 14:54	10/03/24 02:02	1	
o-Terphenyl	117		70 - 130			09/30/24 14:54	10/03/24 02:02	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	23		5.0	mg/Kg			10/03/24 07:47	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-18 2'
Date Collected: 09/24/24 08:20
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-52
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 22:18	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 22:18	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 22:18	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/02/24 22:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	114		70 - 130			10/02/24 10:55	10/02/24 22:18	1	
1,4-Difluorobenzene (Surr)	104		70 - 130			10/02/24 10:55	10/02/24 22:18	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/03/24 02:18	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 02:18	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 02:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	125		70 - 130			09/30/24 14:54	10/03/24 02:18	1	
o-Terphenyl	117		70 - 130			09/30/24 14:54	10/03/24 02:18	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		5.0	mg/Kg			10/03/24 07:54	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-18 4'

Lab Sample ID: 885-12721-53

Date Collected: 09/24/24 08:25

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 22:38	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 22:38	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 22:38	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/02/24 22:38	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	107		70 - 130			10/02/24 10:55	10/02/24 22:38	1	
1,4-Difluorobenzene (Surr)	103		70 - 130			10/02/24 10:55	10/02/24 22:38	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/03/24 02:34	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 02:34	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/03/24 02:34	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	100		70 - 130			09/30/24 14:54	10/03/24 02:34	1	
o-Terphenyl	94		70 - 130			09/30/24 14:54	10/03/24 02:34	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		5.0	mg/Kg			10/03/24 01:09	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-19 0'

Lab Sample ID: 885-12721-54

Date Collected: 09/24/24 08:30

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 04:07	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 04:07	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 04:07	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 04:07	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	93		70 - 130			10/01/24 11:06	10/02/24 04:07	1	
1,4-Difluorobenzene (Surr)	81		70 - 130			10/01/24 11:06	10/02/24 04:07	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 16:28	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 16:28	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 16:28	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	68	S1-	70 - 130			09/30/24 12:07	10/01/24 16:28	1	
o-Terphenyl	70		70 - 130			09/30/24 12:07	10/01/24 16:28	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	17		5.0	mg/Kg			10/01/24 22:21	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-19 2'

Lab Sample ID: 885-12721-55

Date Collected: 09/24/24 08:35

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 04:28		1
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 04:28		1
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 04:28		1
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 04:28		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	87		70 - 130			10/01/24 11:06	10/02/24 04:28		1
1,4-Difluorobenzene (Surr)	95		70 - 130			10/01/24 11:06	10/02/24 04:28		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 16:44		1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 16:44		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 16:44		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	71		70 - 130			09/30/24 12:07	10/01/24 16:44		1
o-Terphenyl	74		70 - 130			09/30/24 12:07	10/01/24 16:44		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	22		5.0	mg/Kg			10/01/24 22:26		1

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-19 4'

Lab Sample ID: 885-12721-56

Date Collected: 09/24/24 08:40

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 04:48	1
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 04:48	1
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 04:48	1
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 04:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130			10/01/24 11:06	10/02/24 04:48	1
1,4-Difluorobenzene (Surr)	96		70 - 130			10/01/24 11:06	10/02/24 04:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 16:59	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 16:59	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 16:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	70		70 - 130			09/30/24 12:07	10/01/24 16:59	1
o-Terphenyl	74		70 - 130			09/30/24 12:07	10/01/24 16:59	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20		5.0	mg/Kg			10/01/24 22:32	1

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Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-20 0'

Lab Sample ID: 885-12721-57

Date Collected: 09/24/24 08:45

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 22:59		1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 22:59		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 22:59		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/02/24 22:59		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	109		70 - 130			10/02/24 10:55	10/02/24 22:59		1
1,4-Difluorobenzene (Surr)	102		70 - 130			10/02/24 10:55	10/02/24 22:59		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/02/24 20:34		1
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/02/24 20:34		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/02/24 20:34		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	92		70 - 130			10/02/24 10:33	10/02/24 20:34		1
o-Terphenyl	89		70 - 130			10/02/24 10:33	10/02/24 20:34		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	ND		5.1	mg/Kg			10/03/24 11:51		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-20 2'

Lab Sample ID: 885-12721-58

Date Collected: 09/24/24 08:50

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 23:19	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 23:19	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 23:19	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/02/24 23:19	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	103		70 - 130			10/02/24 10:55	10/02/24 23:19	1	
1,4-Difluorobenzene (Surr)	103		70 - 130			10/02/24 10:55	10/02/24 23:19	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/02/24 21:18	1	
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/02/24 21:18	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/02/24 21:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	96		70 - 130			10/02/24 10:33	10/02/24 21:18	1	
o-Terphenyl	92		70 - 130			10/02/24 10:33	10/02/24 21:18	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	16		5.0	mg/Kg			10/03/24 01:18	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-20 4'

Lab Sample ID: 885-12721-59

Date Collected: 09/24/24 09:00

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 05:09	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 05:09	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 05:09	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 05:09	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	91		70 - 130			10/01/24 11:06	10/02/24 05:09	1	
1,4-Difluorobenzene (Surr)	92		70 - 130			10/01/24 11:06	10/02/24 05:09	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 17:15	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 17:15	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 17:15	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	65	S1-	70 - 130			09/30/24 12:07	10/01/24 17:15	1	
o-Terphenyl	68	S1-	70 - 130			09/30/24 12:07	10/01/24 17:15	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	8.0		5.0	mg/Kg			10/01/24 22:37	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-21 0'

Lab Sample ID: 885-12721-60

Date Collected: 09/24/24 09:30

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 23:40	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 23:40	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 23:40	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/02/24 23:40	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	105		70 - 130			10/02/24 10:55	10/02/24 23:40	1	
1,4-Difluorobenzene (Surr)	102		70 - 130			10/02/24 10:55	10/02/24 23:40	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/02/24 21:33	1	
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/02/24 21:33	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/02/24 21:33	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	91		70 - 130			10/02/24 10:33	10/02/24 21:33	1	
o-Terphenyl	89		70 - 130			10/02/24 10:33	10/02/24 21:33	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	48		5.0	mg/Kg			10/03/24 01:24	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-21 2'

Lab Sample ID: 885-12721-61

Date Collected: 09/24/24 09:35

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 00:00	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 00:00	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 00:00	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 00:00	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	112		70 - 130			10/02/24 10:55	10/03/24 00:00	1	
1,4-Difluorobenzene (Surr)	101		70 - 130			10/02/24 10:55	10/03/24 00:00	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/02/24 21:48	1	
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/02/24 21:48	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/02/24 21:48	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	100		70 - 130			10/02/24 10:33	10/02/24 21:48	1	
o-Terphenyl	98		70 - 130			10/02/24 10:33	10/02/24 21:48	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	8.7	F1	5.0	mg/Kg			10/03/24 08:00	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-21 4'

Lab Sample ID: 885-12721-62

Date Collected: 09/24/24 09:40

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 05:29	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 05:29	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 05:29	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 05:29	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	90		70 - 130			10/01/24 11:06	10/02/24 05:29	1	
1,4-Difluorobenzene (Surr)	93		70 - 130			10/01/24 11:06	10/02/24 05:29	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 17:30	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 17:30	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 17:30	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	68	S1-	70 - 130			09/30/24 12:07	10/01/24 17:30	1	
o-Terphenyl	71		70 - 130			09/30/24 12:07	10/01/24 17:30	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	7.7		5.1	mg/Kg			10/01/24 22:42	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-22 0'

Lab Sample ID: 885-12721-63

Date Collected: 09/24/24 09:45

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 05:50	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 05:50	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 05:50	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 05:50	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	86		70 - 130			10/01/24 11:06	10/02/24 05:50	1	
1,4-Difluorobenzene (Surr)	95		70 - 130			10/01/24 11:06	10/02/24 05:50	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 17:45	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 17:45	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 17:45	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	69	S1-	70 - 130			09/30/24 12:07	10/01/24 17:45	1	
o-Terphenyl	72		70 - 130			09/30/24 12:07	10/01/24 17:45	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	12		5.0	mg/Kg			10/01/24 22:48	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-22 2'

Lab Sample ID: 885-12721-64

Date Collected: 09/24/24 09:50

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 06:10	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 06:10	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/02/24 06:10	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/02/24 06:10	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	88		70 - 130			10/01/24 11:06	10/02/24 06:10	1	
1,4-Difluorobenzene (Surr)	92		70 - 130			10/01/24 11:06	10/02/24 06:10	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 18:16	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 18:16	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 18:16	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	69	S1-	70 - 130			09/30/24 12:07	10/01/24 18:16	1	
o-Terphenyl	71		70 - 130			09/30/24 12:07	10/01/24 18:16	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	9.8		5.0	mg/Kg			10/01/24 22:53	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-22 4'
Date Collected: 09/24/24 09:55
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-65
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 00:20	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 00:20	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 00:20	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 00:20	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	106		70 - 130			10/02/24 10:55	10/03/24 00:20	1	
1,4-Difluorobenzene (Surr)	104		70 - 130			10/02/24 10:55	10/03/24 00:20	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/02/24 22:03	1	
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/02/24 22:03	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/02/24 22:03	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	95		70 - 130			10/02/24 10:33	10/02/24 22:03	1	
o-Terphenyl	91		70 - 130			10/02/24 10:33	10/02/24 22:03	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	24		5.0	mg/Kg			10/03/24 13:07	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-23 0'

Lab Sample ID: 885-12721-66

Date Collected: 09/24/24 10:00

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 00:54	1
Toluene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 00:54	1
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 00:54	1
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 12:08	10/02/24 00:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130			10/01/24 12:08	10/02/24 00:54	1
1,4-Difluorobenzene (Surr)	113		70 - 130			10/01/24 12:08	10/02/24 00:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 18:30	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 18:30	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 18:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	65	S1-	70 - 130			09/30/24 12:07	10/01/24 18:30	1
o-Terphenyl	67	S1-	70 - 130			09/30/24 12:07	10/01/24 18:30	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.5		5.0	mg/Kg			10/02/24 01:26	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-23 2' Lab Sample ID: 885-12721-67
Date Collected: 09/24/24 10:05 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 01:15	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 01:15	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 01:15	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 12:08	10/02/24 01:15	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	126		70 - 130			10/01/24 12:08	10/02/24 01:15	1	
1,4-Difluorobenzene (Surr)	111		70 - 130			10/01/24 12:08	10/02/24 01:15	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 18:45	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 18:45	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 18:45	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	67	S1-	70 - 130			09/30/24 12:07	10/01/24 18:45	1	
o-Terphenyl	71		70 - 130			09/30/24 12:07	10/01/24 18:45	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	6.2		5.0	mg/Kg			10/02/24 01:45	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-23 4' Lab Sample ID: 885-12721-68
Date Collected: 09/24/24 10:10 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 00:41	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 00:41	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 00:41	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 00:41	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	111		70 - 130			10/02/24 10:55	10/03/24 00:41	1	
1,4-Difluorobenzene (Surr)	101		70 - 130			10/02/24 10:55	10/03/24 00:41	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/02/24 22:18	1	
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/02/24 22:18	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/02/24 22:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	94		70 - 130			10/02/24 10:33	10/02/24 22:18	1	
o-Terphenyl	92		70 - 130			10/02/24 10:33	10/02/24 22:18	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	6.0		5.0	mg/Kg			10/03/24 13:13	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-24 0'

Lab Sample ID: 885-12721-69

Date Collected: 09/25/24 08:00

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 01:01	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 01:01	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 01:01	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 01:01	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	104		70 - 130			10/02/24 10:55	10/03/24 01:01	1	
1,4-Difluorobenzene (Surr)	105		70 - 130			10/02/24 10:55	10/03/24 01:01	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/02/24 22:32	1	
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/02/24 22:32	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/02/24 22:32	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	96		70 - 130			10/02/24 10:33	10/02/24 22:32	1	
o-Terphenyl	91		70 - 130			10/02/24 10:33	10/02/24 22:32	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	550		5.0	mg/Kg			10/03/24 13:32	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-24 2'

Lab Sample ID: 885-12721-70

Date Collected: 09/25/24 08:10

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 01:22	1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 01:22	1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 01:22	1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 01:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130			10/02/24 10:55	10/03/24 01:22	1
1,4-Difluorobenzene (Surr)	104		70 - 130			10/02/24 10:55	10/03/24 01:22	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/02/24 22:47	1
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/02/24 22:47	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/02/24 22:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130			10/02/24 10:33	10/02/24 22:47	1
o-Terphenyl	96		70 - 130			10/02/24 10:33	10/02/24 22:47	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	44		5.0	mg/Kg			10/03/24 13:39	1

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Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-24 4'

Lab Sample ID: 885-12721-71

Date Collected: 09/25/24 08:20

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 02:44		1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 02:44		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 02:44		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 02:44		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	110		70 - 130			10/02/24 10:55	10/03/24 02:44		1
1,4-Difluorobenzene (Surr)	101		70 - 130			10/02/24 10:55	10/03/24 02:44		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/02/24 23:02		1
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/02/24 23:02		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/02/24 23:02		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	103		70 - 130			10/02/24 10:33	10/02/24 23:02		1
o-Terphenyl	100		70 - 130			10/02/24 10:33	10/02/24 23:02		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	17		5.1	mg/Kg			10/03/24 13:45		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-25 0' Lab Sample ID: 885-12721-72
Date Collected: 09/25/24 08:25 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 03:05		1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 03:05		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 03:05		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 03:05		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	106		70 - 130			10/02/24 10:55	10/03/24 03:05		1
1,4-Difluorobenzene (Surr)	104		70 - 130			10/02/24 10:55	10/03/24 03:05		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/02/24 23:17		1
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/02/24 23:17		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/02/24 23:17		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	101		70 - 130			10/02/24 10:33	10/02/24 23:17		1
o-Terphenyl	99		70 - 130			10/02/24 10:33	10/02/24 23:17		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	250		5.0	mg/Kg			10/03/24 13:51		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-25 2' Lab Sample ID: 885-12721-73
Date Collected: 09/25/24 08:30 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 03:25	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 03:25	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 03:25	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 03:25	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	106		70 - 130			10/02/24 10:55	10/03/24 03:25	1	
1,4-Difluorobenzene (Surr)	101		70 - 130			10/02/24 10:55	10/03/24 03:25	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/02/24 23:47	1	
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/02/24 23:47	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/02/24 23:47	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	97		70 - 130			10/02/24 10:33	10/02/24 23:47	1	
o-Terphenyl	93		70 - 130			10/02/24 10:33	10/02/24 23:47	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	41		5.0	mg/Kg			10/03/24 13:58	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-25 4'

Lab Sample ID: 885-12721-74

Date Collected: 09/25/24 08:35

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 03:46	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 03:46	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 03:46	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 03:46	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	107		70 - 130			10/02/24 10:55	10/03/24 03:46	1	
1,4-Difluorobenzene (Surr)	103		70 - 130			10/02/24 10:55	10/03/24 03:46	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/03/24 00:02	1	
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/03/24 00:02	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/03/24 00:02	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	93		70 - 130			10/02/24 10:33	10/03/24 00:02	1	
o-Terphenyl	90		70 - 130			10/02/24 10:33	10/03/24 00:02	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	50		5.0	mg/Kg			10/03/24 14:04	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-26 0'

Lab Sample ID: 885-12721-75

Date Collected: 09/25/24 08:40

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 04:06		1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 04:06		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 04:06		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 04:06		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed		Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130			10/02/24 10:55	10/03/24 04:06		1
1,4-Difluorobenzene (Surr)	102		70 - 130			10/02/24 10:55	10/03/24 04:06		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/03/24 00:19		1
Diesel Range Organics (Over C10-C28)	64	*1	50	mg/Kg		10/02/24 10:33	10/03/24 00:19		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/03/24 00:19		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed		Dil Fac
1-Chlorooctane	98		70 - 130			10/02/24 10:33	10/03/24 00:19		1
o-Terphenyl	97		70 - 130			10/02/24 10:33	10/03/24 00:19		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	79		5.0	mg/Kg			10/03/24 14:11		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-26 2'

Lab Sample ID: 885-12721-76

Date Collected: 09/25/24 08:45

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 01:35	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 01:35	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 01:35	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 12:08	10/02/24 01:35	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	132	S1+	70 - 130			10/01/24 12:08	10/02/24 01:35	1	
1,4-Difluorobenzene (Surr)	115		70 - 130			10/01/24 12:08	10/02/24 01:35	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 19:00	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 19:00	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 19:00	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	74		70 - 130			09/30/24 12:07	10/01/24 19:00	1	
o-Terphenyl	78		70 - 130			09/30/24 12:07	10/01/24 19:00	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	42		5.0	mg/Kg			10/02/24 01:51	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-26 4'

Lab Sample ID: 885-12721-77

Date Collected: 09/25/24 08:50

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 04:27	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 04:27	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 04:27	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 04:27	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	107		70 - 130			10/02/24 10:55	10/03/24 04:27	1	
1,4-Difluorobenzene (Surr)	102		70 - 130			10/02/24 10:55	10/03/24 04:27	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/03/24 00:34	1	
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/03/24 00:34	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/03/24 00:34	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	91		70 - 130			10/02/24 10:33	10/03/24 00:34	1	
o-Terphenyl	89		70 - 130			10/02/24 10:33	10/03/24 00:34	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	22		5.0	mg/Kg			10/03/24 09:55	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-27 0'

Lab Sample ID: 885-12721-78

Date Collected: 09/25/24 08:55

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 04:47		1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 04:47		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 04:47		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 04:47		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	106		70 - 130			10/02/24 10:55	10/03/24 04:47		1
1,4-Difluorobenzene (Surr)	103		70 - 130			10/02/24 10:55	10/03/24 04:47		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/03/24 00:48		1
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/03/24 00:48		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/03/24 00:48		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	106		70 - 130			10/02/24 10:33	10/03/24 00:48		1
o-Terphenyl	102		70 - 130			10/02/24 10:33	10/03/24 00:48		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	59		5.0	mg/Kg			10/03/24 10:15		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-27 2'
Date Collected: 09/25/24 09:00
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-79
Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 05:07		1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 05:07		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 05:07		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 05:07		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	103		70 - 130			10/02/24 10:55	10/03/24 05:07		1
1,4-Difluorobenzene (Surr)	103		70 - 130			10/02/24 10:55	10/03/24 05:07		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/03/24 01:03		1
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/03/24 01:03		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/03/24 01:03		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	118		70 - 130			10/02/24 10:33	10/03/24 01:03		1
o-Terphenyl	116		70 - 130			10/02/24 10:33	10/03/24 01:03		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	21		5.0	mg/Kg			10/03/24 10:21		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-27 4'

Lab Sample ID: 885-12721-80

Date Collected: 09/25/24 09:05

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 01:56	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 01:56	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 01:56	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 12:08	10/02/24 01:56	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130			10/01/24 12:08	10/02/24 01:56	1	
1,4-Difluorobenzene (Surr)	109		70 - 130			10/01/24 12:08	10/02/24 01:56	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 19:15	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 19:15	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 19:15	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	71		70 - 130			09/30/24 12:07	10/01/24 19:15	1	
o-Terphenyl	74		70 - 130			09/30/24 12:07	10/01/24 19:15	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	26		5.0	mg/Kg			10/02/24 01:58	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-28 0' Lab Sample ID: 885-12721-81
Date Collected: 09/25/24 09:10 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 05:28	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 05:28	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 05:28	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 05:28	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	105		70 - 130			10/02/24 10:55	10/03/24 05:28	1	
1,4-Difluorobenzene (Surr)	103		70 - 130			10/02/24 10:55	10/03/24 05:28	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/03/24 01:18	1	
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/03/24 01:18	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/03/24 01:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	102		70 - 130			10/02/24 10:33	10/03/24 01:18	1	
o-Terphenyl	99		70 - 130			10/02/24 10:33	10/03/24 01:18	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	130		5.0	mg/Kg			10/03/24 10:27	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-28 2' Lab Sample ID: 885-12721-82
Date Collected: 09/25/24 09:15 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 05:48		1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 05:48		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/03/24 05:48		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/03/24 05:48		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	113		70 - 130			10/02/24 10:55	10/03/24 05:48		1
1,4-Difluorobenzene (Surr)	100		70 - 130			10/02/24 10:55	10/03/24 05:48		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/03/24 01:33		1
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/03/24 01:33		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/03/24 01:33		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	117		70 - 130			10/02/24 10:33	10/03/24 01:33		1
o-Terphenyl	112		70 - 130			10/02/24 10:33	10/03/24 01:33		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	49		5.0	mg/Kg			10/03/24 10:34		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-28 4' Lab Sample ID: 885-12721-83
Date Collected: 09/25/24 09:20 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 10:51	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 10:51	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 10:51	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 11:02	10/03/24 10:51	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130			10/02/24 11:02	10/03/24 10:51	1	
1,4-Difluorobenzene (Surr)	96		70 - 130			10/02/24 11:02	10/03/24 10:51	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/03/24 01:47	1	
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/03/24 01:47	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/03/24 01:47	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	105		70 - 130			10/02/24 10:33	10/03/24 01:47	1	
o-Terphenyl	103		70 - 130			10/02/24 10:33	10/03/24 01:47	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	54		5.0	mg/Kg			10/03/24 01:34	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-29 0'

Lab Sample ID: 885-12721-84

Date Collected: 09/25/24 09:25

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 11:11	1
Toluene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 11:11	1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 11:11	1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 11:02	10/03/24 11:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130			10/02/24 11:02	10/03/24 11:11	1
1,4-Difluorobenzene (Surr)	96		70 - 130			10/02/24 11:02	10/03/24 11:11	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	50	mg/Kg		10/02/24 10:33	10/03/24 02:03	1
Diesel Range Organics (Over C10-C28)	ND	*1	50	mg/Kg		10/02/24 10:33	10/03/24 02:03	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/03/24 02:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130			10/02/24 10:33	10/03/24 02:03	1
o-Terphenyl	102		70 - 130			10/02/24 10:33	10/03/24 02:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		5.0	mg/Kg			10/03/24 01:40	1

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Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-29 2'

Lab Sample ID: 885-12721-85

Date Collected: 09/25/24 09:30

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 11:32		1
Toluene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 11:32		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 11:32		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 11:02	10/03/24 11:32		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	130		70 - 130			10/02/24 11:02	10/03/24 11:32		1
1,4-Difluorobenzene (Surr)	96		70 - 130			10/02/24 11:02	10/03/24 11:32		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND	F1	50	mg/Kg		10/02/24 10:37	10/02/24 20:34		1
Diesel Range Organics (Over C10-C28)	ND	*+	50	mg/Kg		10/02/24 10:37	10/02/24 20:34		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:37	10/02/24 20:34		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	68	S1-	70 - 130			10/02/24 10:37	10/02/24 20:34		1
o-Terphenyl	73		70 - 130			10/02/24 10:37	10/02/24 20:34		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	45		5.0	mg/Kg			10/03/24 11:57		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-29 4' Lab Sample ID: 885-12721-86
Date Collected: 09/25/24 09:35 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 02:16	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 02:16	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 02:16	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 12:08	10/02/24 02:16	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130			10/01/24 12:08	10/02/24 02:16	1	
1,4-Difluorobenzene (Surr)	117		70 - 130			10/01/24 12:08	10/02/24 02:16	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 19:30	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 19:30	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 19:30	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	68	S1-	70 - 130			09/30/24 12:07	10/01/24 19:30	1	
o-Terphenyl	72		70 - 130			09/30/24 12:07	10/01/24 19:30	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	110		5.0	mg/Kg			10/02/24 02:04	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-30 0'

Lab Sample ID: 885-12721-87

Date Collected: 09/25/24 10:00

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 11:52	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 11:52	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 11:52	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 11:02	10/03/24 11:52	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130			10/02/24 11:02	10/03/24 11:52	1	
1,4-Difluorobenzene (Surr)	96		70 - 130			10/02/24 11:02	10/03/24 11:52	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		10/02/24 10:37	10/02/24 21:18	1	
Diesel Range Organics (Over C10-C28)	ND	*+	50	mg/Kg		10/02/24 10:37	10/02/24 21:18	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:37	10/02/24 21:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	71		70 - 130			10/02/24 10:37	10/02/24 21:18	1	
o-Terphenyl	77		70 - 130			10/02/24 10:37	10/02/24 21:18	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	510		5.0	mg/Kg			10/03/24 12:22	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-30 2' Lab Sample ID: 885-12721-88
Date Collected: 09/25/24 10:05 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 12:13	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 12:13	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 12:13	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 11:02	10/03/24 12:13	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	126		70 - 130			10/02/24 11:02	10/03/24 12:13	1	
1,4-Difluorobenzene (Surr)	95		70 - 130			10/02/24 11:02	10/03/24 12:13	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		10/02/24 10:37	10/02/24 21:33	1	
Diesel Range Organics (Over C10-C28)	ND	*+	50	mg/Kg		10/02/24 10:37	10/02/24 21:33	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:37	10/02/24 21:33	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	77		70 - 130			10/02/24 10:37	10/02/24 21:33	1	
o-Terphenyl	83		70 - 130			10/02/24 10:37	10/02/24 21:33	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	97		5.0	mg/Kg			10/03/24 02:03	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-30 4' Lab Sample ID: 885-12721-89
Date Collected: 09/25/24 10:10 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 12:33		1
Toluene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 12:33		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 12:33		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 11:02	10/03/24 12:33		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	124		70 - 130			10/02/24 11:02	10/03/24 12:33		1
1,4-Difluorobenzene (Surr)	95		70 - 130			10/02/24 11:02	10/03/24 12:33		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		10/02/24 10:37	10/02/24 21:48		1
Diesel Range Organics (Over C10-C28)	ND	*+	50	mg/Kg		10/02/24 10:37	10/02/24 21:48		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:37	10/02/24 21:48		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	67	S1-	70 - 130			10/02/24 10:37	10/02/24 21:48		1
o-Terphenyl	76		70 - 130			10/02/24 10:37	10/02/24 21:48		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	70		5.0	mg/Kg			10/03/24 02:09		1

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-31 0'

Lab Sample ID: 885-12721-90

Date Collected: 09/25/24 10:15

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 02:37	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 02:37	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 02:37	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 12:08	10/02/24 02:37	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130			10/01/24 12:08	10/02/24 02:37	1	
1,4-Difluorobenzene (Surr)	118		70 - 130			10/01/24 12:08	10/02/24 02:37	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 19:45	1	
Diesel Range Organics (Over C10-C28)	51		50	mg/Kg		09/30/24 12:07	10/01/24 19:45	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 19:45	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	68	S1-	70 - 130			09/30/24 12:07	10/01/24 19:45	1	
o-Terphenyl	72		70 - 130			09/30/24 12:07	10/01/24 19:45	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	480		5.1	mg/Kg			10/02/24 02:23	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-31 2'

Lab Sample ID: 885-12721-91

Date Collected: 09/25/24 10:20

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 12:54	1
Toluene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 12:54	1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 12:54	1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 11:02	10/03/24 12:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130			10/02/24 11:02	10/03/24 12:54	1
1,4-Difluorobenzene (Surr)	96		70 - 130			10/02/24 11:02	10/03/24 12:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		10/02/24 10:37	10/02/24 22:03	1
Diesel Range Organics (Over C10-C28)	ND	*+	50	mg/Kg		10/02/24 10:37	10/02/24 22:03	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:37	10/02/24 22:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	72		70 - 130			10/02/24 10:37	10/02/24 22:03	1
o-Terphenyl	79		70 - 130			10/02/24 10:37	10/02/24 22:03	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40		5.0	mg/Kg			10/03/24 02:16	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-31 4' Lab Sample ID: 885-12721-92
Date Collected: 09/25/24 10:25 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 02:57	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 02:57	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 02:57	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 12:08	10/02/24 02:57	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	130		70 - 130			10/01/24 12:08	10/02/24 02:57	1	
1,4-Difluorobenzene (Surr)	111		70 - 130			10/01/24 12:08	10/02/24 02:57	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 20:00	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 20:00	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 20:00	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	69	S1-	70 - 130			09/30/24 12:07	10/01/24 20:00	1	
o-Terphenyl	74		70 - 130			09/30/24 12:07	10/01/24 20:00	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	120		5.0	mg/Kg			10/02/24 02:30	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-32 0'

Lab Sample ID: 885-12721-93

Date Collected: 09/25/24 11:00

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 13:14	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 13:14	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 13:14	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 11:02	10/03/24 13:14	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	125		70 - 130			10/02/24 11:02	10/03/24 13:14	1	
1,4-Difluorobenzene (Surr)	96		70 - 130			10/02/24 11:02	10/03/24 13:14	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		10/02/24 10:37	10/02/24 22:18	1	
Diesel Range Organics (Over C10-C28)	91	*+	50	mg/Kg		10/02/24 10:37	10/02/24 22:18	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:37	10/02/24 22:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	73		70 - 130			10/02/24 10:37	10/02/24 22:18	1	
o-Terphenyl	82		70 - 130			10/02/24 10:37	10/02/24 22:18	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	4300		50	mg/Kg			10/03/24 12:28	10	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-32 2' Lab Sample ID: 885-12721-94
Date Collected: 09/25/24 11:05 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 03:18	1	
Toluene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 03:18	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 12:08	10/02/24 03:18	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 12:08	10/02/24 03:18	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130			10/01/24 12:08	10/02/24 03:18	1	
1,4-Difluorobenzene (Surr)	112		70 - 130			10/01/24 12:08	10/02/24 03:18	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 20:14	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 20:14	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 20:14	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	68	S1-	70 - 130			09/30/24 12:07	10/01/24 20:14	1	
o-Terphenyl	73		70 - 130			09/30/24 12:07	10/01/24 20:14	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	290		5.0	mg/Kg			10/02/24 08:35	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-32 4' Lab Sample ID: 885-12721-95
Date Collected: 09/25/24 11:10 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 13:34	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 13:34	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 13:34	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 11:02	10/03/24 13:34	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130			10/02/24 11:02	10/03/24 13:34	1	
1,4-Difluorobenzene (Surr)	96		70 - 130			10/02/24 11:02	10/03/24 13:34	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		10/02/24 10:37	10/02/24 22:32	1	
Diesel Range Organics (Over C10-C28)	ND	*+	50	mg/Kg		10/02/24 10:37	10/02/24 22:32	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:37	10/02/24 22:32	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	76		70 - 130			10/02/24 10:37	10/02/24 22:32	1	
o-Terphenyl	84		70 - 130			10/02/24 10:37	10/02/24 22:32	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	89		5.0	mg/Kg			10/03/24 12:34	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-33 0' Lab Sample ID: 885-12721-96
Date Collected: 09/25/24 11:15 Matrix: Solid
Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 13:55	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 13:55	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 13:55	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 11:02	10/03/24 13:55	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	127		70 - 130			10/02/24 11:02	10/03/24 13:55	1	
1,4-Difluorobenzene (Surr)	96		70 - 130			10/02/24 11:02	10/03/24 13:55	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		10/02/24 10:37	10/02/24 22:47	1	
Diesel Range Organics (Over C10-C28)	ND	*+	50	mg/Kg		10/02/24 10:37	10/02/24 22:47	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:37	10/02/24 22:47	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	65	S1-	70 - 130			10/02/24 10:37	10/02/24 22:47	1	
o-Terphenyl	73		70 - 130			10/02/24 10:37	10/02/24 22:47	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	210		5.0	mg/Kg			10/02/24 22:31	1	

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-33 2'

Lab Sample ID: 885-12721-97

Date Collected: 09/25/24 11:20

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 10:06		1
Toluene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 10:06		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 10:06		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 16:17	10/03/24 10:06		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	109		70 - 130			10/02/24 16:17	10/03/24 10:06		1
1,4-Difluorobenzene (Surr)	103		70 - 130			10/02/24 16:17	10/03/24 10:06		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		10/02/24 10:37	10/02/24 23:02		1
Diesel Range Organics (Over C10-C28)	ND	*+	50	mg/Kg		10/02/24 10:37	10/02/24 23:02		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:37	10/02/24 23:02		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	78		70 - 130			10/02/24 10:37	10/02/24 23:02		1
o-Terphenyl	86		70 - 130			10/02/24 10:37	10/02/24 23:02		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	39		5.0	mg/Kg			10/02/24 22:48		1

Client Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-33 4'

Lab Sample ID: 885-12721-98

Date Collected: 09/25/24 11:25

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 10:27		1
Toluene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 10:27		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 10:27		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 16:17	10/03/24 10:27		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	106		70 - 130			10/02/24 16:17	10/03/24 10:27		1
1,4-Difluorobenzene (Surr)	103		70 - 130			10/02/24 16:17	10/03/24 10:27		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 20:28		1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 20:28		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 20:28		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	61	S1-	70 - 130			09/30/24 12:07	10/01/24 20:28		1
o-Terphenyl	67	S1-	70 - 130			09/30/24 12:07	10/01/24 20:28		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	150		5.0	mg/Kg			10/02/24 02:38		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-34 0'

Lab Sample ID: 885-12721-99

Date Collected: 09/25/24 11:30

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 10:47	1	
Toluene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 10:47	1	
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 10:47	1	
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 16:17	10/03/24 10:47	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	108		70 - 130			10/02/24 16:17	10/03/24 10:47	1	
1,4-Difluorobenzene (Surr)	104		70 - 130			10/02/24 16:17	10/03/24 10:47	1	
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:10	10/01/24 14:56	1	
Diesel Range Organics (Over C10-C28)	260	F1	50	mg/Kg		09/30/24 12:10	10/01/24 14:56	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:10	10/01/24 14:56	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	87		70 - 130			09/30/24 12:10	10/01/24 14:56	1	
o-Terphenyl	88		70 - 130			09/30/24 12:10	10/01/24 14:56	1	
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	200		5.0	mg/Kg			10/02/24 02:44	1	

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-34 2'

Lab Sample ID: 885-12721-100

Date Collected: 09/25/24 11:35

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 11:08		1
Toluene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 11:08		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 11:08		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 16:17	10/03/24 11:08		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	114		70 - 130			10/02/24 16:17	10/03/24 11:08		1
1,4-Difluorobenzene (Surr)	101		70 - 130			10/02/24 16:17	10/03/24 11:08		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:10	10/01/24 15:43		1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:10	10/01/24 15:43		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:10	10/01/24 15:43		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	76		70 - 130			09/30/24 12:10	10/01/24 15:43		1
o-Terphenyl	76		70 - 130			09/30/24 12:10	10/01/24 15:43		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	50		5.0	mg/Kg			10/02/24 02:50		1

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-34 4'

Lab Sample ID: 885-12721-101

Date Collected: 09/25/24 11:40

Matrix: Solid

Date Received: 09/27/24 08:00

Method: SW846 8021B - Volatile Organic Compounds (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Benzene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 11:53		1
Toluene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 11:53		1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 11:53		1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 16:17	10/03/24 11:53		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
4-Bromofluorobenzene (Surr)	115		70 - 130			10/02/24 16:17	10/03/24 11:53		1
1,4-Difluorobenzene (Surr)	104		70 - 130			10/02/24 16:17	10/03/24 11:53		1
Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		10/02/24 10:37	10/02/24 23:17		1
Diesel Range Organics (Over C10-C28)	ND	*+	50	mg/Kg		10/02/24 10:37	10/02/24 23:17		1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:37	10/02/24 23:17		1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	69	S1-	70 - 130			10/02/24 10:37	10/02/24 23:17		1
o-Terphenyl	76		70 - 130			10/02/24 10:37	10/02/24 23:17		1
Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	15		5.0	mg/Kg			10/02/24 22:53		1

QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-92116/5-A						Client Sample ID: Method Blank		
Matrix: Solid						Prep Type: Total/NA		
Analysis Batch: 92216						Prep Batch: 92116		
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		09/30/24 10:59	10/01/24 11:35	1
Toluene	ND		0.0020	mg/Kg		09/30/24 10:59	10/01/24 11:35	1
Ethylbenzene	ND		0.0020	mg/Kg		09/30/24 10:59	10/01/24 11:35	1
Xylenes, Total	ND		0.0040	mg/Kg		09/30/24 10:59	10/01/24 11:35	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		70 - 130			09/30/24 10:59	10/01/24 11:35	1
1,4-Difluorobenzene (Surr)	100		70 - 130			09/30/24 10:59	10/01/24 11:35	1

Lab Sample ID: MB 880-92237/5-A						Client Sample ID: Method Blank		
Matrix: Solid						Prep Type: Total/NA		
Analysis Batch: 92217						Prep Batch: 92237		
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/01/24 10:10	10/01/24 12:08	1
Toluene	ND		0.0020	mg/Kg		10/01/24 10:10	10/01/24 12:08	1
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 10:10	10/01/24 12:08	1
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 10:10	10/01/24 12:08	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130			10/01/24 10:10	10/01/24 12:08	1
1,4-Difluorobenzene (Surr)	89		70 - 130			10/01/24 10:10	10/01/24 12:08	1

Lab Sample ID: MB 880-92247/5-A						Client Sample ID: Method Blank		
Matrix: Solid						Prep Type: Total/NA		
Analysis Batch: 92217						Prep Batch: 92247		
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/01/24 10:26	10/01/24 23:45	1
Toluene	ND		0.0020	mg/Kg		10/01/24 10:26	10/01/24 23:45	1
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 10:26	10/01/24 23:45	1
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 10:26	10/01/24 23:45	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130			10/01/24 10:26	10/01/24 23:45	1
1,4-Difluorobenzene (Surr)	93		70 - 130			10/01/24 10:26	10/01/24 23:45	1

Lab Sample ID: LCS 880-92247/1-A						Client Sample ID: Lab Control Sample		
Matrix: Solid						Prep Type: Total/NA		
Analysis Batch: 92217						Prep Batch: 92247		
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	0.100	0.0981		mg/Kg		98	70 - 130	
Toluene	0.100	0.0847		mg/Kg		85	70 - 130	
Ethylbenzene	0.100	0.0932		mg/Kg		93	70 - 130	
m-Xylene & p-Xylene	0.200	0.212		mg/Kg		106	70 - 130	
o-Xylene	0.100	0.0975		mg/Kg		98	70 - 130	

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: LCS 880-92247/1-A

Matrix: Solid

Analysis Batch: 92217

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92247

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-92247/2-A

Matrix: Solid

Analysis Batch: 92217

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92247

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.0976		mg/Kg		98	70 - 130	1	35
Toluene	0.100	0.0864		mg/Kg		86	70 - 130	2	35
Ethylbenzene	0.100	0.106		mg/Kg		106	70 - 130	13	35
m-Xylene & p-Xylene	0.200	0.240		mg/Kg		120	70 - 130	13	35
o-Xylene	0.100	0.110		mg/Kg		110	70 - 130	12	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: MB 880-92255/5-A

Matrix: Solid

Analysis Batch: 92216

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92255

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 22:15	1
Toluene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 22:15	1
Ethylbenzene	ND		0.0020	mg/Kg		10/01/24 11:06	10/01/24 22:15	1
Xylenes, Total	ND		0.0040	mg/Kg		10/01/24 11:06	10/01/24 22:15	1

	MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	80		70 - 130	10/01/24 11:06	10/01/24 22:15	1		
1,4-Difluorobenzene (Surr)	99		70 - 130	10/01/24 11:06	10/01/24 22:15	1		

Lab Sample ID: LCS 880-92255/1-A

Matrix: Solid

Analysis Batch: 92216

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92255

	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Analyte								
Benzene	0.100	0.0966		mg/Kg		97	70 - 130	
Toluene	0.100	0.0931		mg/Kg		93	70 - 130	
Ethylbenzene	0.100	0.101		mg/Kg		101	70 - 130	
m-Xylene & p-Xylene	0.200	0.191		mg/Kg		95	70 - 130	
o-Xylene	0.100	0.0953		mg/Kg		95	70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: LCSD 880-92255/2-A

Matrix: Solid

Analysis Batch: 92216

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92255

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Benzene	0.100	0.0918		mg/Kg		92	70 - 130	5		35
Toluene	0.100	0.0875		mg/Kg		88	70 - 130	6		35
Ethylbenzene	0.100	0.0952		mg/Kg		95	70 - 130	6		35
m-Xylene & p-Xylene	0.200	0.181		mg/Kg		90	70 - 130	5		35
o-Xylene	0.100	0.0894		mg/Kg		89	70 - 130	6		35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 885-12721-2 MS

Matrix: Solid

Analysis Batch: 92216

Client Sample ID: BH24-01 2'

Prep Type: Total/NA

Prep Batch: 92255

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec	
									Limits	RPD
Benzene	ND		0.100	0.0848		mg/Kg		85	70 - 130	
Toluene	ND		0.100	0.0844		mg/Kg		84	70 - 130	
Ethylbenzene	ND		0.100	0.0974		mg/Kg		97	70 - 130	
m-Xylene & p-Xylene	ND		0.200	0.180		mg/Kg		90	70 - 130	
o-Xylene	ND		0.100	0.0908		mg/Kg		91	70 - 130	

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	115		70 - 130

Lab Sample ID: 885-12721-2 MSD

Matrix: Solid

Analysis Batch: 92216

Client Sample ID: BH24-01 2'

Prep Type: Total/NA

Prep Batch: 92255

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
									Limits	RPD		
Benzene	ND		0.100	0.0944		mg/Kg		94	70 - 130	11		35
Toluene	ND		0.100	0.0911		mg/Kg		91	70 - 130	8		35
Ethylbenzene	ND		0.100	0.0986		mg/Kg		99	70 - 130	1		35
m-Xylene & p-Xylene	ND		0.200	0.211		mg/Kg		106	70 - 130	16		35
o-Xylene	ND		0.100	0.102		mg/Kg		102	70 - 130	12		35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	113		70 - 130

Lab Sample ID: MB 880-92320/5-A

Matrix: Solid

Analysis Batch: 92318

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92320

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/02/24 08:26	10/02/24 11:08	1
Toluene	ND		0.0020	mg/Kg		10/02/24 08:26	10/02/24 11:08	1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 08:26	10/02/24 11:08	1

Eurofins Albuquerque

QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: MB 880-92320/5-A

Matrix: Solid

Analysis Batch: 92318

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92320

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 08:26	10/02/24 11:08	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130			10/02/24 08:26	10/02/24 11:08	1
1,4-Difluorobenzene (Surr)	101		70 - 130			10/02/24 08:26	10/02/24 11:08	1

Lab Sample ID: MB 880-92321/5-A

Matrix: Solid

Analysis Batch: 92317

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92321

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/02/24 08:27	10/02/24 12:20	1
Toluene	ND		0.0020	mg/Kg		10/02/24 08:27	10/02/24 12:20	1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 08:27	10/02/24 12:20	1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 08:27	10/02/24 12:20	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130			10/02/24 08:27	10/02/24 12:20	1
1,4-Difluorobenzene (Surr)	95		70 - 130			10/02/24 08:27	10/02/24 12:20	1

Lab Sample ID: MB 880-92343/5-A

Matrix: Solid

Analysis Batch: 92317

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92343

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/02/24 23:01	1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:32	10/02/24 23:01	1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:32	10/02/24 23:01	1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:32	10/02/24 23:01	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130			10/02/24 10:32	10/02/24 23:01	1
1,4-Difluorobenzene (Surr)	99		70 - 130			10/02/24 10:32	10/02/24 23:01	1

Lab Sample ID: LCS 880-92343/1-A

Matrix: Solid

Analysis Batch: 92317

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92343

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.0921		mg/Kg		92	70 - 130
Toluene	0.100	0.0870		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.0946		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.217		mg/Kg		109	70 - 130
o-Xylene	0.100	0.106		mg/Kg		106	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	111		70 - 130				

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: LCS 880-92343/1-A

Matrix: Solid

Analysis Batch: 92317

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92343

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: LCSD 880-92343/2-A

Matrix: Solid

Analysis Batch: 92317

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92343

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.0902		mg/Kg		90	70 - 130	2	35
Toluene	0.100	0.0860		mg/Kg		86	70 - 130	1	35
Ethylbenzene	0.100	0.0946		mg/Kg		95	70 - 130	0	35
m-Xylene & p-Xylene	0.200	0.218		mg/Kg		109	70 - 130	0	35
o-Xylene	0.100	0.105		mg/Kg		105	70 - 130	1	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	120		70 - 130

Lab Sample ID: 885-12721-1 MS

Matrix: Solid

Analysis Batch: 92317

Client Sample ID: BH24-01 0'

Prep Type: Total/NA

Prep Batch: 92343

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.100	0.0810		mg/Kg		81	70 - 130
Toluene	ND		0.100	0.0767		mg/Kg		77	70 - 130
Ethylbenzene	ND		0.100	0.0967		mg/Kg		97	70 - 130
m-Xylene & p-Xylene	ND		0.200	0.171		mg/Kg		85	70 - 130
o-Xylene	ND		0.100	0.0828		mg/Kg		83	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 885-12721-1 MSD

Matrix: Solid

Analysis Batch: 92317

Client Sample ID: BH24-01 0'

Prep Type: Total/NA

Prep Batch: 92343

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.100	0.0817		mg/Kg		82	70 - 130	1	35
Toluene	ND		0.100	0.0757		mg/Kg		76	70 - 130	1	35
Ethylbenzene	ND		0.100	0.0885		mg/Kg		88	70 - 130	9	35
m-Xylene & p-Xylene	ND		0.200	0.162		mg/Kg		81	70 - 130	5	35
o-Xylene	ND		0.100	0.0794		mg/Kg		79	70 - 130	4	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: MB 880-92348/5-A

Matrix: Solid

Analysis Batch: 92439

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92348

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 11:28	1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 11:28	1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:40	10/03/24 11:28	1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:40	10/03/24 11:28	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	255	S1+	70 - 130			10/02/24 10:40	10/03/24 11:28	1
1,4-Difluorobenzene (Surr)	164	S1+	70 - 130			10/02/24 10:40	10/03/24 11:28	1

Lab Sample ID: LCS 880-92348/1-A

Matrix: Solid

Analysis Batch: 92439

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92348

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.0909		mg/Kg		91	70 - 130
Toluene	0.100	0.0773		mg/Kg		77	70 - 130
Ethylbenzene	0.100	0.0831		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	0.200	0.180		mg/Kg		90	70 - 130
o-Xylene	0.100	0.0930		mg/Kg		93	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	117		70 - 130				
1,4-Difluorobenzene (Surr)	104		70 - 130				

Lab Sample ID: LCSD 880-92348/2-A

Matrix: Solid

Analysis Batch: 92439

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92348

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.0887		mg/Kg		89	70 - 130	2	35
Toluene	0.100	0.0802		mg/Kg		80	70 - 130	4	35
Ethylbenzene	0.100	0.0879		mg/Kg		88	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.190		mg/Kg		95	70 - 130	5	35
o-Xylene	0.100	0.103		mg/Kg		103	70 - 130	10	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	119		70 - 130						
1,4-Difluorobenzene (Surr)	100		70 - 130						

Lab Sample ID: MB 880-92350/5-A

Matrix: Solid

Analysis Batch: 92318

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92350

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 21:56	1
Toluene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 21:56	1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 10:55	10/02/24 21:56	1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 10:55	10/02/24 21:56	1

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	10/02/24 10:55	10/02/24 21:56	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/02/24 10:55	10/02/24 21:56	1

Lab Sample ID: LCS 880-92350/1-A

Matrix: Solid

Analysis Batch: 92318

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92350

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.0768		mg/Kg		77	70 - 130
Toluene	0.100	0.0715		mg/Kg		72	70 - 130
Ethylbenzene	0.100	0.0706		mg/Kg		71	70 - 130
m-Xylene & p-Xylene	0.200	0.153		mg/Kg		77	70 - 130
o-Xylene	0.100	0.0787		mg/Kg		79	70 - 130

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

Lab Sample ID: LCSD 880-92350/2-A

Matrix: Solid

Analysis Batch: 92318

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92350

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.0808		mg/Kg		81	70 - 130	5	35
Toluene	0.100	0.0746		mg/Kg		75	70 - 130	4	35
Ethylbenzene	0.100	0.0737		mg/Kg		74	70 - 130	4	35
m-Xylene & p-Xylene	0.200	0.159		mg/Kg		79	70 - 130	4	35
o-Xylene	0.100	0.0815		mg/Kg		82	70 - 130	4	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 885-12721-52 MS

Matrix: Solid

Analysis Batch: 92318

Client Sample ID: BH24-18 2'

Prep Type: Total/NA

Prep Batch: 92350

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.100	0.0817		mg/Kg		82	70 - 130
Toluene	ND		0.100	0.0757		mg/Kg		76	70 - 130
Ethylbenzene	ND		0.100	0.0751		mg/Kg		75	70 - 130
m-Xylene & p-Xylene	ND		0.200	0.160		mg/Kg		80	70 - 130
o-Xylene	ND		0.100	0.0804		mg/Kg		80	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: 885-12721-52 MSD

Matrix: Solid

Analysis Batch: 92318

Client Sample ID: BH24-18 2'

Prep Type: Total/NA

Prep Batch: 92350

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.100	0.0863		mg/Kg		86	70 - 130	5	35
Toluene	ND		0.100	0.0800		mg/Kg		80	70 - 130	6	35
Ethylbenzene	ND		0.100	0.0785		mg/Kg		78	70 - 130	4	35
m-Xylene & p-Xylene	ND		0.200	0.167		mg/Kg		83	70 - 130	5	35
o-Xylene	ND		0.100	0.0845		mg/Kg		85	70 - 130	5	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-92351/5-A

Matrix: Solid

Analysis Batch: 92326

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92351

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 10:29	1
Toluene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 10:29	1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 11:02	10/03/24 10:29	1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 11:02	10/03/24 10:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	10/02/24 11:02	10/03/24 10:29	1
1,4-Difluorobenzene (Surr)	91		70 - 130	10/02/24 11:02	10/03/24 10:29	1

Lab Sample ID: LCS 880-92351/1-A

Matrix: Solid

Analysis Batch: 92326

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92351

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.0945		mg/Kg		94	70 - 130
Toluene	0.100	0.0948		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.0945		mg/Kg		95	70 - 130
m-Xylene & p-Xylene	0.200	0.194		mg/Kg		97	70 - 130
o-Xylene	0.100	0.0986		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: LCSD 880-92351/2-A

Matrix: Solid

Analysis Batch: 92326

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92351

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.111		mg/Kg		111	70 - 130	16	35
Toluene	0.100	0.112		mg/Kg		112	70 - 130	17	35
Ethylbenzene	0.100	0.114		mg/Kg		114	70 - 130	18	35
m-Xylene & p-Xylene	0.200	0.236		mg/Kg		118	70 - 130	20	35

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: LCSD 880-92351/2-A

Matrix: Solid

Analysis Batch: 92326

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92351

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
o-Xylene	0.100	0.117		mg/Kg		117	70 - 130	17	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	120		70 - 130						
1,4-Difluorobenzene (Surr)	94		70 - 130						

Lab Sample ID: 885-12721-83 MS

Matrix: Solid

Analysis Batch: 92326

Client Sample ID: BH24-28 4'

Prep Type: Total/NA

Prep Batch: 92351

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.100	0.0851		mg/Kg		85	70 - 130		
Toluene	ND		0.100	0.0856		mg/Kg		86	70 - 130		
Ethylbenzene	ND		0.100	0.0852		mg/Kg		85	70 - 130		
m-Xylene & p-Xylene	ND		0.200	0.173		mg/Kg		87	70 - 130		
o-Xylene	ND		0.100	0.0870		mg/Kg		87	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	121		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

Lab Sample ID: 885-12721-83 MSD

Matrix: Solid

Analysis Batch: 92326

Client Sample ID: BH24-28 4'

Prep Type: Total/NA

Prep Batch: 92351

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.100	0.0831		mg/Kg		83	70 - 130	2	35
Toluene	ND		0.100	0.0835		mg/Kg		84	70 - 130	3	35
Ethylbenzene	ND		0.100	0.0830		mg/Kg		83	70 - 130	3	35
m-Xylene & p-Xylene	ND		0.200	0.169		mg/Kg		84	70 - 130	3	35
o-Xylene	ND		0.100	0.0844		mg/Kg		84	70 - 130	3	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	122		70 - 130								
1,4-Difluorobenzene (Surr)	95		70 - 130								

Lab Sample ID: MB 880-92406/5-A

Matrix: Solid

Analysis Batch: 92318

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92406

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 09:44	1
Toluene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 09:44	1
Ethylbenzene	ND		0.0020	mg/Kg		10/02/24 16:17	10/03/24 09:44	1
Xylenes, Total	ND		0.0040	mg/Kg		10/02/24 16:17	10/03/24 09:44	1

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: MB 880-92406/5-A

Matrix: Solid

Analysis Batch: 92318

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92406

	MB	MB			
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed
4-Bromofluorobenzene (Surr)	109		70 - 130	10/02/24 16:17	10/03/24 09:44
1,4-Difluorobenzene (Surr)	102		70 - 130	10/02/24 16:17	10/03/24 09:44

Lab Sample ID: LCS 880-92406/1-A

Matrix: Solid

Analysis Batch: 92318

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92406

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.0933		mg/Kg		93	70 - 130
Toluene	0.100	0.0862		mg/Kg		86	70 - 130
Ethylbenzene	0.100	0.0846		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	0.200	0.181		mg/Kg		91	70 - 130
o-Xylene	0.100	0.0924		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: LCSD 880-92406/2-A

Matrix: Solid

Analysis Batch: 92318

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92406

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.0906		mg/Kg		91	70 - 130	3	35
Toluene	0.100	0.0843		mg/Kg		84	70 - 130	2	35
Ethylbenzene	0.100	0.0842		mg/Kg		84	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.179		mg/Kg		90	70 - 130	1	35
o-Xylene	0.100	0.0922		mg/Kg		92	70 - 130	0	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 885-12721-97 MS

Matrix: Solid

Analysis Batch: 92318

Client Sample ID: BH24-33 2'

Prep Type: Total/NA

Prep Batch: 92406

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.100	0.0871		mg/Kg		87	70 - 130
Toluene	ND		0.100	0.0812		mg/Kg		81	70 - 130
Ethylbenzene	ND		0.100	0.0809		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	ND		0.200	0.172		mg/Kg		86	70 - 130
o-Xylene	ND		0.100	0.0886		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: 885-12721-97 MSD

Matrix: Solid

Analysis Batch: 92318

Client Sample ID: BH24-33 2'

Prep Type: Total/NA

Prep Batch: 92406

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.100	0.101		mg/Kg		101	70 - 130	14	35
Toluene	ND		0.100	0.0933		mg/Kg		93	70 - 130	14	35
Ethylbenzene	ND		0.100	0.0940		mg/Kg		94	70 - 130	15	35
m-Xylene & p-Xylene	ND		0.200	0.204		mg/Kg		102	70 - 130	17	35
o-Xylene	ND		0.100	0.101		mg/Kg		101	70 - 130	13	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-92441/5-A

Matrix: Solid

Analysis Batch: 92440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92441

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 10:54	1
Toluene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 10:54	1
Ethylbenzene	ND		0.0020	mg/Kg		10/03/24 08:18	10/03/24 10:54	1
Xylenes, Total	ND		0.0040	mg/Kg		10/03/24 08:18	10/03/24 10:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130	10/03/24 08:18	10/03/24 10:54	1
1,4-Difluorobenzene (Surr)	98		70 - 130	10/03/24 08:18	10/03/24 10:54	1

Lab Sample ID: LCS 880-92441/1-A

Matrix: Solid

Analysis Batch: 92440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92441

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.0907		mg/Kg		91	70 - 130
Toluene	0.100	0.0819		mg/Kg		82	70 - 130
Ethylbenzene	0.100	0.119		mg/Kg		119	70 - 130
m-Xylene & p-Xylene	0.200	0.217		mg/Kg		109	70 - 130
o-Xylene	0.100	0.105		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	122		70 - 130

Lab Sample ID: LCSD 880-92441/2-A

Matrix: Solid

Analysis Batch: 92440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92441

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.106		mg/Kg		106	70 - 130	16	35
Toluene	0.100	0.104		mg/Kg		104	70 - 130	23	35
Ethylbenzene	0.100	0.116		mg/Kg		116	70 - 130	3	35
m-Xylene & p-Xylene	0.200	0.264	*+	mg/Kg		132	70 - 130	19	35

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: LCSD 880-92441/2-A

Matrix: Solid

Analysis Batch: 92440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92441

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
o-Xylene	0.100	0.127		mg/Kg		127	70 - 130	19	35
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
4-Bromofluorobenzene (Surr)	115		70 - 130						
1,4-Difluorobenzene (Surr)	109		70 - 130						

Lab Sample ID: 885-12721-41 MS

Matrix: Solid

Analysis Batch: 92440

Client Sample ID: BH24-14 2'

Prep Type: Total/NA

Prep Batch: 92441

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.100	0.0958		mg/Kg		96	70 - 130		
Toluene	ND		0.100	0.0969		mg/Kg		97	70 - 130		
Ethylbenzene	ND		0.100	0.110		mg/Kg		110	70 - 130		
m-Xylene & p-Xylene	ND	++	0.200	0.201		mg/Kg		100	70 - 130		
o-Xylene	ND		0.100	0.114		mg/Kg		114	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
4-Bromofluorobenzene (Surr)	120		70 - 130								
1,4-Difluorobenzene (Surr)	107		70 - 130								

Lab Sample ID: 885-12721-41 MSD

Matrix: Solid

Analysis Batch: 92440

Client Sample ID: BH24-14 2'

Prep Type: Total/NA

Prep Batch: 92441

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.100	0.0934		mg/Kg		93	70 - 130	2	35
Toluene	ND		0.100	0.0924		mg/Kg		92	70 - 130	5	35
Ethylbenzene	ND		0.100	0.104		mg/Kg		104	70 - 130	6	35
m-Xylene & p-Xylene	ND	++	0.200	0.190		mg/Kg		95	70 - 130	6	35
o-Xylene	ND		0.100	0.0932		mg/Kg		93	70 - 130	20	35
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		70 - 130								
1,4-Difluorobenzene (Surr)	112		70 - 130								

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

Lab Sample ID: MB 880-92048/1-A

Matrix: Solid

Analysis Batch: 92175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92048

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/29/24 20:59	10/01/24 10:31	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 10:31	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/29/24 20:59	10/01/24 10:31	1

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: MB 880-92048/1-A

Matrix: Solid

Analysis Batch: 92175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92048

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
1-Chlorooctane	133	S1+	70 - 130	09/29/24 20:59	10/01/24 10:31	1			
o-Terphenyl	212	S1+	70 - 130	09/29/24 20:59	10/01/24 10:31	1			

Lab Sample ID: LCS 880-92048/2-A

Matrix: Solid

Analysis Batch: 92175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92048

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1230		mg/Kg		123	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1120		mg/Kg		112	70 - 130		

	LCS	LCS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	146	S1+	70 - 130								
o-Terphenyl	133	S1+	70 - 130								

Lab Sample ID: LCSD 880-92048/3-A

Matrix: Solid

Analysis Batch: 92175

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92048

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1200		mg/Kg		120	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)			1000	1000		mg/Kg		100	70 - 130	11	20	

	LCSD	LCSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	134	S1+	70 - 130								
o-Terphenyl	119		70 - 130								

Lab Sample ID: MB 880-92130/1-A

Matrix: Solid

Analysis Batch: 92281

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92130

	MB	MB									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac		
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:07	10/01/24 07:28	1			
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 07:28	1			
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:07	10/01/24 07:28	1			

	MB	MB									
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac				
1-Chlorooctane	68	S1-	70 - 130	09/30/24 12:07	10/01/24 07:28	1					
o-Terphenyl	75		70 - 130	09/30/24 12:07	10/01/24 07:28	1					

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QC Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

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

Lab Sample ID: LCS 880-92130/2-A				Client Sample ID: Lab Control Sample						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 92281				Prep Batch: 92130						
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10			1000	851		mg/Kg		85	70 - 130	
Diesel Range Organics (Over C10-C28)			1000	925		mg/Kg		92	70 - 130	
		LCS	LCS							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	116		70 - 130							
o-Terphenyl	115		70 - 130							

Lab Sample ID: LCSD 880-92130/3-A				Client Sample ID: Lab Control Sample Dup						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 92281				Prep Batch: 92130						
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	735		mg/Kg		74	70 - 130	15 20
Diesel Range Organics (Over C10-C28)			1000	803		mg/Kg		80	70 - 130	14 20
		LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	101		70 - 130							
o-Terphenyl	99		70 - 130							

Lab Sample ID: 885-12721-36 MS				Client Sample ID: BH24-12 4'						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 92281				Prep Batch: 92130						
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	ND	F1	994	641	F1	mg/Kg		64	70 - 130	
Diesel Range Organics (Over C10-C28)	ND	F1	994	629	F1	mg/Kg		63	70 - 130	
		MS	MS							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	80		70 - 130							
o-Terphenyl	74		70 - 130							

Lab Sample ID: 885-12721-36 MSD				Client Sample ID: BH24-12 4'						
Matrix: Solid				Prep Type: Total/NA						
Analysis Batch: 92281				Prep Batch: 92130						
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND	F1	994	664	F1	mg/Kg		67	70 - 130	4 20
Diesel Range Organics (Over C10-C28)	ND	F1	994	652	F1	mg/Kg		66	70 - 130	3 20
		MSD	MSD							
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	80		70 - 130							

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: 885-12721-36 MSD

Client Sample ID: BH24-12 4'

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 92281

Prep Batch: 92130

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
o-Terphenyl	74		70 - 130

Lab Sample ID: MB 880-92131/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 92279

Prep Batch: 92131

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:10	10/01/24 07:28	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:10	10/01/24 07:28	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:10	10/01/24 07:28	1	

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
1-Chlorooctane	88		70 - 130	09/30/24 12:10	10/01/24 07:28	1			
o-Terphenyl	89		70 - 130	09/30/24 12:10	10/01/24 07:28	1			

Lab Sample ID: LCS 880-92131/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 92279

Prep Batch: 92131

Analyte	Spike	LCS	LCS						
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	1110		mg/Kg		111		70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1070		mg/Kg		107		70 - 130	

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	144	S1+	70 - 130
o-Terphenyl	136	S1+	70 - 130

Lab Sample ID: LCSD 880-92131/3-A

Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 92279

Prep Batch: 92131

Analyte	Spike	LCSD	LCSD							
	Added	Result	Qualifier	Unit	D	%Rec	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	948		mg/Kg		95		70 - 130	16	20
Diesel Range Organics (Over C10-C28)	1000	909		mg/Kg		91		70 - 130	16	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	120		70 - 130

QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: 885-12721-99 MS

Client Sample ID: BH24-34 0'

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 92279

Prep Batch: 92131

[illegible]

Lab Sample ID: 885-12721-99 MSD

Client Sample ID: BH24-34 0'

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 92279

Prep Batch: 92131

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits	Limits	
Gasoline Range Organics (GRO)-C6-C10	ND		995	835		mg/Kg		84	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	260	F1	995	826	F1	mg/Kg		57	70 - 130	3	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	92		70 - 130								
o-Terphenyl	84		70 - 130								

Lab Sample ID: MB 880-92139/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 92333

Prep Batch: 92139

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 12:22	10/02/24 19:47	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 19:47	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 12:22	10/02/24 19:47	1
Surrogate	MB	MB	Limits			Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier						
1-Chlorooctane	115		70 - 130			09/30/24 12:22	10/02/24 19:47	1
o-Terphenyl	144	S1+	70 - 130			09/30/24 12:22	10/02/24 19:47	1

Lab Sample ID: LCS 880-92139/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 92333

Prep Batch: 92139

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
	Added	Result	Qualifier				Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1180		mg/Kg		118	70 - 130
Diesel Range Organics (Over C10-C28)	1000	986		mg/Kg		99	70 - 130

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: LCS 880-92139/2-A

Matrix: Solid

Analysis Batch: 92333

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92139

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	133	S1+	70 - 130
o-Terphenyl	118		70 - 130

Lab Sample ID: LCSD 880-92139/3-A

Matrix: Solid

Analysis Batch: 92333

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92139

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1220		mg/Kg		122	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1070		mg/Kg		107	70 - 130	8	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	141	S1+	70 - 130
o-Terphenyl	128		70 - 130

Lab Sample ID: 885-12721-1 MS

Matrix: Solid

Analysis Batch: 92333

Client Sample ID: BH24-01 0'

Prep Type: Total/NA

Prep Batch: 92139

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		998	1040		mg/Kg		104	70 - 130		
Diesel Range Organics (Over C10-C28)	56		998	880		mg/Kg		83	70 - 130		

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 885-12721-1 MSD

Matrix: Solid

Analysis Batch: 92333

Client Sample ID: BH24-01 0'

Prep Type: Total/NA

Prep Batch: 92139

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		998	1040		mg/Kg		104	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	56		998	864		mg/Kg		81	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	106		70 - 130
o-Terphenyl	93		70 - 130

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: MB 880-92169/1-A						Client Sample ID: Method Blank			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 92335						Prep Batch: 92169			
Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		09/30/24 14:54	10/02/24 19:47	1	
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 19:47	1	
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		09/30/24 14:54	10/02/24 19:47	1	
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	144	S1+	70 - 130			09/30/24 14:54	10/02/24 19:47	1	
o-Terphenyl	137	S1+	70 - 130			09/30/24 14:54	10/02/24 19:47	1	

Lab Sample ID: LCS 880-92169/2-A						Client Sample ID: Lab Control Sample			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 92335						Prep Batch: 92169			
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1290		mg/Kg		129	70 - 130
Diesel Range Organics (Over C10-C28)			1000	1260		mg/Kg		126	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	161	S1+	70 - 130						
o-Terphenyl	163	S1+	70 - 130						

Lab Sample ID: LCSD 880-92169/3-A						Client Sample ID: Lab Control Sample Dup				
Matrix: Solid						Prep Type: Total/NA				
Analysis Batch: 92335						Prep Batch: 92169				
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD
Gasoline Range Organics (GRO)-C6-C10			1000	1260		mg/Kg		126	70 - 130	3
Diesel Range Organics (Over C10-C28)			1000	1180		mg/Kg		118	70 - 130	6
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits							
1-Chlorooctane	149	S1+	70 - 130							
o-Terphenyl	151	S1+	70 - 130							

Lab Sample ID: 885-12721-28 MS						Client Sample ID: BH24-10 0'			
Matrix: Solid						Prep Type: Total/NA			
Analysis Batch: 92335						Prep Batch: 92169			
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		993	1000		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	ND		993	986		mg/Kg		99	70 - 130

QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: 885-12721-28 MS

Matrix: Solid

Analysis Batch: 92335

Client Sample ID: BH24-10 0'

Prep Type: Total/NA

Prep Batch: 92169

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	102		70 - 130

Lab Sample ID: 885-12721-28 MSD

Matrix: Solid

Analysis Batch: 92335

Client Sample ID: BH24-10 0'

Prep Type: Total/NA

Prep Batch: 92169

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		993	1010		mg/Kg		102	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	ND		993	978		mg/Kg		99	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	103		70 - 130								
o-Terphenyl	101		70 - 130								

Lab Sample ID: MB 880-92344/1-A

Matrix: Solid

Analysis Batch: 92337

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92344

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		10/02/24 10:33	10/02/24 19:49	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		10/02/24 10:33	10/02/24 19:49	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:33	10/02/24 19:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	77		70 - 130			10/02/24 10:33	10/02/24 19:49	1
o-Terphenyl	77		70 - 130			10/02/24 10:33	10/02/24 19:49	1

Lab Sample ID: LCS 880-92344/2-A

Matrix: Solid

Analysis Batch: 92337

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92344

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1030		mg/Kg		103	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1220		mg/Kg		122	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	120		70 - 130				
o-Terphenyl	120		70 - 130				

Eurofins Albuquerque

QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: LCSD 880-92344/3-A

Matrix: Solid

Analysis Batch: 92337

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92344

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	693	*- *1	mg/Kg		69	70 - 130	39	20
Diesel Range Organics (Over C10-C28)	1000	917	*1	mg/Kg		92	70 - 130	28	20
	LCSD	LCSD							
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	88		70 - 130						
o-Terphenyl	90		70 - 130						

Lab Sample ID: 885-12721-57 MS

Matrix: Solid

Analysis Batch: 92337

Client Sample ID: BH24-20 0'

Prep Type: Total/NA

Prep Batch: 92344

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	999	923		mg/Kg		92	70 - 130		
Diesel Range Organics (Over C10-C28)	ND	*1	999	848		mg/Kg		85	70 - 130		
	MS	MS									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	107		70 - 130								
o-Terphenyl	94		70 - 130								

Lab Sample ID: 885-12721-57 MSD

Matrix: Solid

Analysis Batch: 92337

Client Sample ID: BH24-20 0'

Prep Type: Total/NA

Prep Batch: 92344

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND	*- *1	999	832		mg/Kg		83	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	ND	*1	999	802		mg/Kg		80	70 - 130	6	20
	MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	90		70 - 130								

Lab Sample ID: MB 880-92346/1-A

Matrix: Solid

Analysis Batch: 92339

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92346

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		50	mg/Kg		10/02/24 10:37	10/02/24 19:49	1
Diesel Range Organics (Over C10-C28)	ND		50	mg/Kg		10/02/24 10:37	10/02/24 19:49	1
Oil Range Organics (Over C28-C36)	ND		50	mg/Kg		10/02/24 10:37	10/02/24 19:49	1

Eurofins Albuquerque

QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: MB 880-92346/1-A

Matrix: Solid

Analysis Batch: 92339

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92346

	MB	MB				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	74		70 - 130	10/02/24 10:37	10/02/24 19:49	1
o-Terphenyl	80		70 - 130	10/02/24 10:37	10/02/24 19:49	1

Lab Sample ID: LCS 880-92346/2-A

Matrix: Solid

Analysis Batch: 92339

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92346

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1180		mg/Kg		118	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1320	*+	mg/Kg		132	70 - 130		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	141	S1+	70 - 130								
o-Terphenyl	134	S1+	70 - 130								

Lab Sample ID: LCSD 880-92346/3-A

Matrix: Solid

Analysis Batch: 92339

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92346

			Spike	LCSD	LCSD				%Rec		RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1020		mg/Kg		102	70 - 130	15	20	
Diesel Range Organics (Over C10-C28)			1000	1140		mg/Kg		114	70 - 130	14	20	
Surrogate	LCSD	LCSD										
	%Recovery	Qualifier	Limits									
1-Chlorooctane	122		70 - 130									
o-Terphenyl	117		70 - 130									

Lab Sample ID: 885-12721-85 MS

Matrix: Solid

Analysis Batch: 92339

Client Sample ID: BH24-29 2'

Prep Type: Total/NA

Prep Batch: 92346

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	ND	F1	996	744		mg/Kg		75	70 - 130		
Diesel Range Organics (Over C10-C28)	ND	*+	996	737		mg/Kg		74	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	90		70 - 130								
o-Terphenyl	84		70 - 130								

Eurofins Albuquerque

QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

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

Lab Sample ID: 885-12721-85 MSD

Matrix: Solid

Analysis Batch: 92339

Client Sample ID: BH24-29 2'

Prep Type: Total/NA

Prep Batch: 92346

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND	F1	996	674	F1	mg/Kg		68	70 - 130	10	20
Diesel Range Organics (Over C10-C28)	ND	*+	996	705		mg/Kg		71	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	89		70 - 130								
o-Terphenyl	83		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91974/1-A

Matrix: Solid

Analysis Batch: 92262

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg			10/01/24 20:11	1

Lab Sample ID: LCS 880-91974/2-A

Matrix: Solid

Analysis Batch: 92262

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-91974/3-A

Matrix: Solid

Analysis Batch: 92262

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	242		mg/Kg		97	90 - 110	0	20

Lab Sample ID: 885-12721-2 MS

Matrix: Solid

Analysis Batch: 92262

Client Sample ID: BH24-01 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	14		252	253		mg/Kg		95	90 - 110

Lab Sample ID: 885-12721-2 MSD

Matrix: Solid

Analysis Batch: 92262

Client Sample ID: BH24-01 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	14		252	253		mg/Kg		95	90 - 110	0	20

Eurofins Albuquerque

QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-12721-37 MS

Matrix: Solid

Analysis Batch: 92262

Client Sample ID: BH24-13 0'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	26		253	272		mg/Kg		97	90 - 110		

Lab Sample ID: 885-12721-37 MSD

Matrix: Solid

Analysis Batch: 92262

Client Sample ID: BH24-13 0'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	26		253	272		mg/Kg		97	90 - 110	0	20

Lab Sample ID: MB 880-91975/1-A

Matrix: Solid

Analysis Batch: 92274

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg			10/02/24 08:29	1

Lab Sample ID: LCS 880-91975/2-A

Matrix: Solid

Analysis Batch: 92274

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	250	242		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-91975/3-A

Matrix: Solid

Analysis Batch: 92274

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	244		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 885-12721-66 MS

Matrix: Solid

Analysis Batch: 92274

Client Sample ID: BH24-23 0'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	6.5		249	245		mg/Kg		96	90 - 110		

Lab Sample ID: 885-12721-66 MSD

Matrix: Solid

Analysis Batch: 92274

Client Sample ID: BH24-23 0'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6.5		249	244		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 885-12721-100 MS

Matrix: Solid

Analysis Batch: 92274

Client Sample ID: BH24-34 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	50		248	283		mg/Kg		94	90 - 110		

Eurofins Albuquerque

QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-12721-100 MSD												Client Sample ID: BH24-34 2'	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92274													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	50		248	284		mg/Kg		94	90 - 110	0	20		
Lab Sample ID: MB 880-91976/1-A												Client Sample ID: Method Blank	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92352													
Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared		Analyzed	Dil Fac			
Chloride	ND		5.0		mg/Kg				10/02/24 19:06	1			
Lab Sample ID: LCS 880-91976/2-A												Client Sample ID: Lab Control Sample	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92352													
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride			250	245		mg/Kg		98	90 - 110				
Lab Sample ID: LCSD 880-91976/3-A												Client Sample ID: Lab Control Sample Dup	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92352													
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride			250	246		mg/Kg		98	90 - 110	0	20		
Lab Sample ID: 885-12721-1 MS												Client Sample ID: BH24-01 0'	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92352													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	660		251	898		mg/Kg		95	90 - 110				
Lab Sample ID: 885-12721-1 MSD												Client Sample ID: BH24-01 0'	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92352													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	660		251	901		mg/Kg		96	90 - 110	0	20		
Lab Sample ID: 885-12721-15 MS												Client Sample ID: BH24-05 4'	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92352													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	ND		252	242		mg/Kg		94	90 - 110				
Lab Sample ID: 885-12721-15 MSD												Client Sample ID: BH24-05 4'	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92352													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	ND		252	242		mg/Kg		94	90 - 110	0	20		

Eurofins Albuquerque

QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-91977/1-A

Matrix: Solid

Analysis Batch: 92357

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg			10/02/24 23:59	1

Lab Sample ID: LCS 880-91977/2-A

Matrix: Solid

Analysis Batch: 92357

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	241		mg/Kg		96	90 - 110

Lab Sample ID: LCSD 880-91977/3-A

Matrix: Solid

Analysis Batch: 92357

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	241		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 885-12721-28 MS

Matrix: Solid

Analysis Batch: 92357

Client Sample ID: BH24-10 0'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	120		251	371		mg/Kg		99	90 - 110

Lab Sample ID: 885-12721-28 MSD

Matrix: Solid

Analysis Batch: 92357

Client Sample ID: BH24-10 0'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	120		251	368		mg/Kg		98	90 - 110	1	20

Lab Sample ID: 885-12721-60 MS

Matrix: Solid

Analysis Batch: 92357

Client Sample ID: BH24-21 0'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	48		249	297		mg/Kg		100	90 - 110

Lab Sample ID: 885-12721-60 MSD

Matrix: Solid

Analysis Batch: 92357

Client Sample ID: BH24-21 0'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	48		249	295		mg/Kg		99	90 - 110	1	20

Lab Sample ID: MB 880-91978/1-A

Matrix: Solid

Analysis Batch: 92358

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg			10/02/24 22:15	1

Eurofins Albuquerque

QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-91978/2-A

Matrix: Solid

Analysis Batch: 92358

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-91978/3-A

Matrix: Solid

Analysis Batch: 92358

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	246		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 885-12721-96 MS

Matrix: Solid

Analysis Batch: 92358

Client Sample ID: BH24-33 0'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	210		251	463		mg/Kg		100	90 - 110

Lab Sample ID: 885-12721-96 MSD

Matrix: Solid

Analysis Batch: 92358

Client Sample ID: BH24-33 0'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	210		251	464		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-91981/1-A

Matrix: Solid

Analysis Batch: 92375

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		5.0	mg/Kg			10/03/24 06:30	1

Lab Sample ID: LCS 880-91981/2-A

Matrix: Solid

Analysis Batch: 92375

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-91981/3-A

Matrix: Solid

Analysis Batch: 92375

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	245		mg/Kg		98	90 - 110	2	20

Lab Sample ID: 885-12721-43 MS

Matrix: Solid

Analysis Batch: 92375

Client Sample ID: BH24-15 2'

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	470	F1 F2	251	268	F1	mg/Kg		-80	90 - 110

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QC Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-12721-43 MSD												Client Sample ID: BH24-15 2'	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92375													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	470	F1 F2	251	683	F1 F2	mg/Kg		85	90 - 110	87	20		
Lab Sample ID: 885-12721-61 MS												Client Sample ID: BH24-21 2'	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92375													
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride	8.7	F1	248	230	F1	mg/Kg		89	90 - 110				
Lab Sample ID: 885-12721-61 MSD												Client Sample ID: BH24-21 2'	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92375													
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride	8.7	F1	248	237		mg/Kg		92	90 - 110	3	20		
Lab Sample ID: MB 880-91980/1-A												Client Sample ID: Method Blank	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92376													
Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed		Dil Fac			
Chloride	ND		5.0		mg/Kg			10/03/24 10:56		1			
Lab Sample ID: LCS 880-91980/2-A												Client Sample ID: Lab Control Sample	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92376													
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride			250	259		mg/Kg		104	90 - 110				
Lab Sample ID: LCSD 880-91980/3-A												Client Sample ID: Lab Control Sample Dup	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92376													
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit		
Chloride			250	260		mg/Kg		104	90 - 110	0	20		
Lab Sample ID: MB 880-92381/1-A												Client Sample ID: Method Blank	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92382													
Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed		Dil Fac			
Chloride	ND		5.0		mg/Kg			10/03/24 09:36		1			
Lab Sample ID: LCS 880-92381/2-A												Client Sample ID: Lab Control Sample	
Matrix: Solid												Prep Type: Soluble	
Analysis Batch: 92382													
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits				
Chloride			250	251		mg/Kg		100	90 - 110				

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QC Sample Results

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-92381/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 92382											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	246		mg/Kg		99	90 - 110	2	20

Lab Sample ID: 885-12721-77 MS				Client Sample ID: BH24-26 4'							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 92382											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	22		249	264		mg/Kg		97	90 - 110		

Lab Sample ID: 885-12721-77 MSD				Client Sample ID: BH24-26 4'							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 92382											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	22		249	264		mg/Kg		97	90 - 110	0	20

QC Association Summary

Client: Vertex

Job ID: 885-12721-1

GC VOA

Prep Batch: 92116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-92116/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 92216

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-2	BH24-01 2'	Total/NA	Solid	8021B	92255
885-12721-9	BH24-03 4'	Total/NA	Solid	8021B	92255
885-12721-11	BH24-04 2'	Total/NA	Solid	8021B	92255
885-12721-13	BH24-05 0'	Total/NA	Solid	8021B	92255
885-12721-17	BH24-06 2'	Total/NA	Solid	8021B	92255
885-12721-18	BH24-06 4'	Total/NA	Solid	8021B	92255
885-12721-22	BH24-08 0'	Total/NA	Solid	8021B	92255
885-12721-29	BH24-10 2'	Total/NA	Solid	8021B	92255
885-12721-33	BH24-11 4'	Total/NA	Solid	8021B	92255
885-12721-36	BH24-12 4'	Total/NA	Solid	8021B	92255
885-12721-37	BH24-13 0'	Total/NA	Solid	8021B	92255
885-12721-40	BH24-14 0'	Total/NA	Solid	8021B	92255
885-12721-42	BH24-15 0'	Total/NA	Solid	8021B	92255
885-12721-54	BH24-19 0'	Total/NA	Solid	8021B	92255
885-12721-55	BH24-19 2'	Total/NA	Solid	8021B	92255
885-12721-56	BH24-19 4'	Total/NA	Solid	8021B	92255
885-12721-59	BH24-20 4'	Total/NA	Solid	8021B	92255
885-12721-62	BH24-21 4'	Total/NA	Solid	8021B	92255
885-12721-63	BH24-22 0'	Total/NA	Solid	8021B	92255
885-12721-64	BH24-22 2'	Total/NA	Solid	8021B	92255
MB 880-92116/5-A	Method Blank	Total/NA	Solid	8021B	92116
MB 880-92255/5-A	Method Blank	Total/NA	Solid	8021B	92255
LCS 880-92255/1-A	Lab Control Sample	Total/NA	Solid	8021B	92255
LCSD 880-92255/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92255
885-12721-2 MS	BH24-01 2'	Total/NA	Solid	8021B	92255
885-12721-2 MSD	BH24-01 2'	Total/NA	Solid	8021B	92255

Analysis Batch: 92217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-66	BH24-23 0'	Total/NA	Solid	8021B	92247
885-12721-67	BH24-23 2'	Total/NA	Solid	8021B	92247
885-12721-76	BH24-26 2'	Total/NA	Solid	8021B	92247
885-12721-80	BH24-27 4'	Total/NA	Solid	8021B	92247
885-12721-86	BH24-29 4'	Total/NA	Solid	8021B	92247
885-12721-90	BH24-31 0'	Total/NA	Solid	8021B	92247
885-12721-92	BH24-31 4'	Total/NA	Solid	8021B	92247
885-12721-94	BH24-32 2'	Total/NA	Solid	8021B	92247
MB 880-92237/5-A	Method Blank	Total/NA	Solid	8021B	92237
MB 880-92247/5-A	Method Blank	Total/NA	Solid	8021B	92247
LCS 880-92247/1-A	Lab Control Sample	Total/NA	Solid	8021B	92247
LCSD 880-92247/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92247

Prep Batch: 92237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-92237/5-A	Method Blank	Total/NA	Solid	5035	

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QC Association Summary

Client: Vertex

Job ID: 885-12721-1

GC VOA

Prep Batch: 92247

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-66	BH24-23 0'	Total/NA	Solid	5035	
885-12721-67	BH24-23 2'	Total/NA	Solid	5035	
885-12721-76	BH24-26 2'	Total/NA	Solid	5035	
885-12721-80	BH24-27 4'	Total/NA	Solid	5035	
885-12721-86	BH24-29 4'	Total/NA	Solid	5035	
885-12721-90	BH24-31 0'	Total/NA	Solid	5035	
885-12721-92	BH24-31 4'	Total/NA	Solid	5035	
885-12721-94	BH24-32 2'	Total/NA	Solid	5035	
MB 880-92247/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92247/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92247/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 92255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-2	BH24-01 2'	Total/NA	Solid	5035	
885-12721-9	BH24-03 4'	Total/NA	Solid	5035	
885-12721-11	BH24-04 2'	Total/NA	Solid	5035	
885-12721-13	BH24-05 0'	Total/NA	Solid	5035	
885-12721-17	BH24-06 2'	Total/NA	Solid	5035	
885-12721-18	BH24-06 4'	Total/NA	Solid	5035	
885-12721-22	BH24-08 0'	Total/NA	Solid	5035	
885-12721-29	BH24-10 2'	Total/NA	Solid	5035	
885-12721-33	BH24-11 4'	Total/NA	Solid	5035	
885-12721-36	BH24-12 4'	Total/NA	Solid	5035	
885-12721-37	BH24-13 0'	Total/NA	Solid	5035	
885-12721-40	BH24-14 0'	Total/NA	Solid	5035	
885-12721-42	BH24-15 0'	Total/NA	Solid	5035	
885-12721-54	BH24-19 0'	Total/NA	Solid	5035	
885-12721-55	BH24-19 2'	Total/NA	Solid	5035	
885-12721-56	BH24-19 4'	Total/NA	Solid	5035	
885-12721-59	BH24-20 4'	Total/NA	Solid	5035	
885-12721-62	BH24-21 4'	Total/NA	Solid	5035	
885-12721-63	BH24-22 0'	Total/NA	Solid	5035	
885-12721-64	BH24-22 2'	Total/NA	Solid	5035	
MB 880-92255/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92255/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92255/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
885-12721-2 MS	BH24-01 2'	Total/NA	Solid	5035	
885-12721-2 MSD	BH24-01 2'	Total/NA	Solid	5035	

Analysis Batch: 92317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-1	BH24-01 0'	Total/NA	Solid	8021B	92343
885-12721-3	BH24-01 4'	Total/NA	Solid	8021B	92343
885-12721-4	BH24-02 0'	Total/NA	Solid	8021B	92343
885-12721-5	BH24-02 2'	Total/NA	Solid	8021B	92343
885-12721-6	BH24-02 4'	Total/NA	Solid	8021B	92343
885-12721-7	BH24-03 0'	Total/NA	Solid	8021B	92343
885-12721-8	BH24-03 2'	Total/NA	Solid	8021B	92343
885-12721-10	BH24-04 0'	Total/NA	Solid	8021B	92343
885-12721-12	BH24-04 4'	Total/NA	Solid	8021B	92343

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QC Association Summary

Client: Vertex

Job ID: 885-12721-1

GC VOA (Continued)

Analysis Batch: 92317 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-14	BH24-05 2'	Total/NA	Solid	8021B	92343
885-12721-15	BH24-05 4'	Total/NA	Solid	8021B	92343
885-12721-16	BH24-06 0'	Total/NA	Solid	8021B	92343
885-12721-19	BH24-07 0'	Total/NA	Solid	8021B	92343
885-12721-20	BH24-07 2'	Total/NA	Solid	8021B	92343
885-12721-21	BH24-07 4'	Total/NA	Solid	8021B	92343
885-12721-23	BH24-08 2'	Total/NA	Solid	8021B	92343
885-12721-24	BH24-08 4'	Total/NA	Solid	8021B	92343
885-12721-25	BH24-09 0'	Total/NA	Solid	8021B	92343
885-12721-26	BH24-09 2'	Total/NA	Solid	8021B	92343
885-12721-27	BH24-09 4'	Total/NA	Solid	8021B	92343
MB 880-92321/5-A	Method Blank	Total/NA	Solid	8021B	92321
MB 880-92343/5-A	Method Blank	Total/NA	Solid	8021B	92343
LCS 880-92343/1-A	Lab Control Sample	Total/NA	Solid	8021B	92343
LCSD 880-92343/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92343
885-12721-1 MS	BH24-01 0'	Total/NA	Solid	8021B	92343
885-12721-1 MSD	BH24-01 0'	Total/NA	Solid	8021B	92343

Analysis Batch: 92318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-52	BH24-18 2'	Total/NA	Solid	8021B	92350
885-12721-53	BH24-18 4'	Total/NA	Solid	8021B	92350
885-12721-57	BH24-20 0'	Total/NA	Solid	8021B	92350
885-12721-58	BH24-20 2'	Total/NA	Solid	8021B	92350
885-12721-60	BH24-21 0'	Total/NA	Solid	8021B	92350
885-12721-61	BH24-21 2'	Total/NA	Solid	8021B	92350
885-12721-65	BH24-22 4'	Total/NA	Solid	8021B	92350
885-12721-68	BH24-23 4'	Total/NA	Solid	8021B	92350
885-12721-69	BH24-24 0'	Total/NA	Solid	8021B	92350
885-12721-70	BH24-24 2'	Total/NA	Solid	8021B	92350
885-12721-71	BH24-24 4'	Total/NA	Solid	8021B	92350
885-12721-72	BH24-25 0'	Total/NA	Solid	8021B	92350
885-12721-73	BH24-25 2'	Total/NA	Solid	8021B	92350
885-12721-74	BH24-25 4'	Total/NA	Solid	8021B	92350
885-12721-75	BH24-26 0'	Total/NA	Solid	8021B	92350
885-12721-77	BH24-26 4'	Total/NA	Solid	8021B	92350
885-12721-78	BH24-27 0'	Total/NA	Solid	8021B	92350
885-12721-79	BH24-27 2'	Total/NA	Solid	8021B	92350
885-12721-81	BH24-28 0'	Total/NA	Solid	8021B	92350
885-12721-82	BH24-28 2'	Total/NA	Solid	8021B	92350
885-12721-97	BH24-33 2'	Total/NA	Solid	8021B	92406
885-12721-98	BH24-33 4'	Total/NA	Solid	8021B	92406
885-12721-99	BH24-34 0'	Total/NA	Solid	8021B	92406
885-12721-100	BH24-34 2'	Total/NA	Solid	8021B	92406
885-12721-101	BH24-34 4'	Total/NA	Solid	8021B	92406
MB 880-92320/5-A	Method Blank	Total/NA	Solid	8021B	92320
MB 880-92350/5-A	Method Blank	Total/NA	Solid	8021B	92350
MB 880-92406/5-A	Method Blank	Total/NA	Solid	8021B	92406
LCS 880-92350/1-A	Lab Control Sample	Total/NA	Solid	8021B	92350
LCS 880-92406/1-A	Lab Control Sample	Total/NA	Solid	8021B	92406
LCSD 880-92350/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92350

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QC Association Summary

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

GC VOA (Continued)

Analysis Batch: 92318 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-92406/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92406
885-12721-52 MS	BH24-18 2'	Total/NA	Solid	8021B	92350
885-12721-52 MSD	BH24-18 2'	Total/NA	Solid	8021B	92350
885-12721-97 MS	BH24-33 2'	Total/NA	Solid	8021B	92406
885-12721-97 MSD	BH24-33 2'	Total/NA	Solid	8021B	92406

Prep Batch: 92320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-92320/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 92321

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-92321/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 92326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-83	BH24-28 4'	Total/NA	Solid	8021B	92351
885-12721-84	BH24-29 0'	Total/NA	Solid	8021B	92351
885-12721-85	BH24-29 2'	Total/NA	Solid	8021B	92351
885-12721-87	BH24-30 0'	Total/NA	Solid	8021B	92351
885-12721-88	BH24-30 2'	Total/NA	Solid	8021B	92351
885-12721-89	BH24-30 4'	Total/NA	Solid	8021B	92351
885-12721-91	BH24-31 2'	Total/NA	Solid	8021B	92351
885-12721-93	BH24-32 0'	Total/NA	Solid	8021B	92351
885-12721-95	BH24-32 4'	Total/NA	Solid	8021B	92351
885-12721-96	BH24-33 0'	Total/NA	Solid	8021B	92351
MB 880-92351/5-A	Method Blank	Total/NA	Solid	8021B	92351
LCS 880-92351/1-A	Lab Control Sample	Total/NA	Solid	8021B	92351
LCSD 880-92351/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92351
885-12721-83 MS	BH24-28 4'	Total/NA	Solid	8021B	92351
885-12721-83 MSD	BH24-28 4'	Total/NA	Solid	8021B	92351

Prep Batch: 92343

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-1	BH24-01 0'	Total/NA	Solid	5035	
885-12721-3	BH24-01 4'	Total/NA	Solid	5035	
885-12721-4	BH24-02 0'	Total/NA	Solid	5035	
885-12721-5	BH24-02 2'	Total/NA	Solid	5035	
885-12721-6	BH24-02 4'	Total/NA	Solid	5035	
885-12721-7	BH24-03 0'	Total/NA	Solid	5035	
885-12721-8	BH24-03 2'	Total/NA	Solid	5035	
885-12721-10	BH24-04 0'	Total/NA	Solid	5035	
885-12721-12	BH24-04 4'	Total/NA	Solid	5035	
885-12721-14	BH24-05 2'	Total/NA	Solid	5035	
885-12721-15	BH24-05 4'	Total/NA	Solid	5035	
885-12721-16	BH24-06 0'	Total/NA	Solid	5035	
885-12721-19	BH24-07 0'	Total/NA	Solid	5035	
885-12721-20	BH24-07 2'	Total/NA	Solid	5035	
885-12721-21	BH24-07 4'	Total/NA	Solid	5035	
885-12721-23	BH24-08 2'	Total/NA	Solid	5035	
885-12721-24	BH24-08 4'	Total/NA	Solid	5035	

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QC Association Summary

Client: Vertex

Job ID: 885-12721-1

GC VOA (Continued)

Prep Batch: 92343 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-25	BH24-09 0'	Total/NA	Solid	5035	
885-12721-26	BH24-09 2'	Total/NA	Solid	5035	
885-12721-27	BH24-09 4'	Total/NA	Solid	5035	
MB 880-92343/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92343/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92343/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
885-12721-1 MS	BH24-01 0'	Total/NA	Solid	5035	
885-12721-1 MSD	BH24-01 0'	Total/NA	Solid	5035	

Prep Batch: 92348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-28	BH24-10 0'	Total/NA	Solid	5035	
885-12721-30	BH24-10 4'	Total/NA	Solid	5035	
885-12721-31	BH24-11 0'	Total/NA	Solid	5035	
885-12721-32	BH24-11 2'	Total/NA	Solid	5035	
885-12721-34	BH24-12 0'	Total/NA	Solid	5035	
885-12721-35	BH24-12 2'	Total/NA	Solid	5035	
885-12721-38	BH24-13 2'	Total/NA	Solid	5035	
885-12721-39	BH24-13 4'	Total/NA	Solid	5035	
MB 880-92348/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92348/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92348/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 92350

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-52	BH24-18 2'	Total/NA	Solid	5035	
885-12721-53	BH24-18 4'	Total/NA	Solid	5035	
885-12721-57	BH24-20 0'	Total/NA	Solid	5035	
885-12721-58	BH24-20 2'	Total/NA	Solid	5035	
885-12721-60	BH24-21 0'	Total/NA	Solid	5035	
885-12721-61	BH24-21 2'	Total/NA	Solid	5035	
885-12721-65	BH24-22 4'	Total/NA	Solid	5035	
885-12721-68	BH24-23 4'	Total/NA	Solid	5035	
885-12721-69	BH24-24 0'	Total/NA	Solid	5035	
885-12721-70	BH24-24 2'	Total/NA	Solid	5035	
885-12721-71	BH24-24 4'	Total/NA	Solid	5035	
885-12721-72	BH24-25 0'	Total/NA	Solid	5035	
885-12721-73	BH24-25 2'	Total/NA	Solid	5035	
885-12721-74	BH24-25 4'	Total/NA	Solid	5035	
885-12721-75	BH24-26 0'	Total/NA	Solid	5035	
885-12721-77	BH24-26 4'	Total/NA	Solid	5035	
885-12721-78	BH24-27 0'	Total/NA	Solid	5035	
885-12721-79	BH24-27 2'	Total/NA	Solid	5035	
885-12721-81	BH24-28 0'	Total/NA	Solid	5035	
885-12721-82	BH24-28 2'	Total/NA	Solid	5035	
MB 880-92350/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92350/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92350/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
885-12721-52 MS	BH24-18 2'	Total/NA	Solid	5035	
885-12721-52 MSD	BH24-18 2'	Total/NA	Solid	5035	

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Job ID: 885-12721-1

GC VOA

Prep Batch: 92351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-83	BH24-28 4'	Total/NA	Solid	5035	
885-12721-84	BH24-29 0'	Total/NA	Solid	5035	
885-12721-85	BH24-29 2'	Total/NA	Solid	5035	
885-12721-87	BH24-30 0'	Total/NA	Solid	5035	
885-12721-88	BH24-30 2'	Total/NA	Solid	5035	
885-12721-89	BH24-30 4'	Total/NA	Solid	5035	
885-12721-91	BH24-31 2'	Total/NA	Solid	5035	
885-12721-93	BH24-32 0'	Total/NA	Solid	5035	
885-12721-95	BH24-32 4'	Total/NA	Solid	5035	
885-12721-96	BH24-33 0'	Total/NA	Solid	5035	
MB 880-92351/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92351/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92351/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
885-12721-83 MS	BH24-28 4'	Total/NA	Solid	5035	
885-12721-83 MSD	BH24-28 4'	Total/NA	Solid	5035	

Prep Batch: 92406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-97	BH24-33 2'	Total/NA	Solid	5035	
885-12721-98	BH24-33 4'	Total/NA	Solid	5035	
885-12721-99	BH24-34 0'	Total/NA	Solid	5035	
885-12721-100	BH24-34 2'	Total/NA	Solid	5035	
885-12721-101	BH24-34 4'	Total/NA	Solid	5035	
MB 880-92406/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92406/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92406/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
885-12721-97 MS	BH24-33 2'	Total/NA	Solid	5035	
885-12721-97 MSD	BH24-33 2'	Total/NA	Solid	5035	

Analysis Batch: 92439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-28	BH24-10 0'	Total/NA	Solid	8021B	92348
885-12721-30	BH24-10 4'	Total/NA	Solid	8021B	92348
885-12721-31	BH24-11 0'	Total/NA	Solid	8021B	92348
885-12721-32	BH24-11 2'	Total/NA	Solid	8021B	92348
885-12721-34	BH24-12 0'	Total/NA	Solid	8021B	92348
885-12721-35	BH24-12 2'	Total/NA	Solid	8021B	92348
885-12721-38	BH24-13 2'	Total/NA	Solid	8021B	92348
885-12721-39	BH24-13 4'	Total/NA	Solid	8021B	92348
MB 880-92348/5-A	Method Blank	Total/NA	Solid	8021B	92348
LCS 880-92348/1-A	Lab Control Sample	Total/NA	Solid	8021B	92348
LCSD 880-92348/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92348

Analysis Batch: 92440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-41	BH24-14 2'	Total/NA	Solid	8021B	92441
885-12721-43	BH24-15 2'	Total/NA	Solid	8021B	92441
885-12721-44	BH24-15 4'	Total/NA	Solid	8021B	92441
885-12721-45	BH24-16 0'	Total/NA	Solid	8021B	92441
885-12721-46	BH24-16 2'	Total/NA	Solid	8021B	92441
885-12721-47	BH24-16 4'	Total/NA	Solid	8021B	92441

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Job ID: 885-12721-1

GC VOA (Continued)

Analysis Batch: 92440 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-48	BH24-17 0'	Total/NA	Solid	8021B	92441
885-12721-49	BH24-17 2'	Total/NA	Solid	8021B	92441
885-12721-50	BH24-17 4'	Total/NA	Solid	8021B	92441
885-12721-51	BH24-18 0'	Total/NA	Solid	8021B	92441
MB 880-92441/5-A	Method Blank	Total/NA	Solid	8021B	92441
LCS 880-92441/1-A	Lab Control Sample	Total/NA	Solid	8021B	92441
LCSD 880-92441/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92441
885-12721-41 MS	BH24-14 2'	Total/NA	Solid	8021B	92441
885-12721-41 MSD	BH24-14 2'	Total/NA	Solid	8021B	92441

Prep Batch: 92441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-41	BH24-14 2'	Total/NA	Solid	5035	
885-12721-43	BH24-15 2'	Total/NA	Solid	5035	
885-12721-44	BH24-15 4'	Total/NA	Solid	5035	
885-12721-45	BH24-16 0'	Total/NA	Solid	5035	
885-12721-46	BH24-16 2'	Total/NA	Solid	5035	
885-12721-47	BH24-16 4'	Total/NA	Solid	5035	
885-12721-48	BH24-17 0'	Total/NA	Solid	5035	
885-12721-49	BH24-17 2'	Total/NA	Solid	5035	
885-12721-50	BH24-17 4'	Total/NA	Solid	5035	
885-12721-51	BH24-18 0'	Total/NA	Solid	5035	
MB 880-92441/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92441/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92441/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
885-12721-41 MS	BH24-14 2'	Total/NA	Solid	5035	
885-12721-41 MSD	BH24-14 2'	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 92048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-2	BH24-01 2'	Total/NA	Solid	8015NM Prep	
885-12721-9	BH24-03 4'	Total/NA	Solid	8015NM Prep	
885-12721-11	BH24-04 2'	Total/NA	Solid	8015NM Prep	
885-12721-13	BH24-05 0'	Total/NA	Solid	8015NM Prep	
885-12721-17	BH24-06 2'	Total/NA	Solid	8015NM Prep	
885-12721-18	BH24-06 4'	Total/NA	Solid	8015NM Prep	
885-12721-22	BH24-08 0'	Total/NA	Solid	8015NM Prep	
885-12721-29	BH24-10 2'	Total/NA	Solid	8015NM Prep	
885-12721-33	BH24-11 4'	Total/NA	Solid	8015NM Prep	
MB 880-92048/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92048/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92048/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 92130

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-36	BH24-12 4'	Total/NA	Solid	8015NM Prep	
885-12721-37	BH24-13 0'	Total/NA	Solid	8015NM Prep	
885-12721-40	BH24-14 0'	Total/NA	Solid	8015NM Prep	
885-12721-42	BH24-15 0'	Total/NA	Solid	8015NM Prep	

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Job ID: 885-12721-1

GC Semi VOA (Continued)

Prep Batch: 92130 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-54	BH24-19 0'	Total/NA	Solid	8015NM Prep	
885-12721-55	BH24-19 2'	Total/NA	Solid	8015NM Prep	
885-12721-56	BH24-19 4'	Total/NA	Solid	8015NM Prep	
885-12721-59	BH24-20 4'	Total/NA	Solid	8015NM Prep	
885-12721-62	BH24-21 4'	Total/NA	Solid	8015NM Prep	
885-12721-63	BH24-22 0'	Total/NA	Solid	8015NM Prep	
885-12721-64	BH24-22 2'	Total/NA	Solid	8015NM Prep	
885-12721-66	BH24-23 0'	Total/NA	Solid	8015NM Prep	
885-12721-67	BH24-23 2'	Total/NA	Solid	8015NM Prep	
885-12721-76	BH24-26 2'	Total/NA	Solid	8015NM Prep	
885-12721-80	BH24-27 4'	Total/NA	Solid	8015NM Prep	
885-12721-86	BH24-29 4'	Total/NA	Solid	8015NM Prep	
885-12721-90	BH24-31 0'	Total/NA	Solid	8015NM Prep	
885-12721-92	BH24-31 4'	Total/NA	Solid	8015NM Prep	
885-12721-94	BH24-32 2'	Total/NA	Solid	8015NM Prep	
885-12721-98	BH24-33 4'	Total/NA	Solid	8015NM Prep	
MB 880-92130/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92130/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92130/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
885-12721-36 MS	BH24-12 4'	Total/NA	Solid	8015NM Prep	
885-12721-36 MSD	BH24-12 4'	Total/NA	Solid	8015NM Prep	

Prep Batch: 92131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-99	BH24-34 0'	Total/NA	Solid	8015NM Prep	
885-12721-100	BH24-34 2'	Total/NA	Solid	8015NM Prep	
MB 880-92131/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92131/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92131/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
885-12721-99 MS	BH24-34 0'	Total/NA	Solid	8015NM Prep	
885-12721-99 MSD	BH24-34 0'	Total/NA	Solid	8015NM Prep	

Prep Batch: 92139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-1	BH24-01 0'	Total/NA	Solid	8015NM Prep	
885-12721-3	BH24-01 4'	Total/NA	Solid	8015NM Prep	
885-12721-4	BH24-02 0'	Total/NA	Solid	8015NM Prep	
885-12721-5	BH24-02 2'	Total/NA	Solid	8015NM Prep	
885-12721-6	BH24-02 4'	Total/NA	Solid	8015NM Prep	
885-12721-7	BH24-03 0'	Total/NA	Solid	8015NM Prep	
885-12721-8	BH24-03 2'	Total/NA	Solid	8015NM Prep	
885-12721-10	BH24-04 0'	Total/NA	Solid	8015NM Prep	
885-12721-12	BH24-04 4'	Total/NA	Solid	8015NM Prep	
885-12721-14	BH24-05 2'	Total/NA	Solid	8015NM Prep	
885-12721-15	BH24-05 4'	Total/NA	Solid	8015NM Prep	
885-12721-16	BH24-06 0'	Total/NA	Solid	8015NM Prep	
885-12721-19	BH24-07 0'	Total/NA	Solid	8015NM Prep	
885-12721-20	BH24-07 2'	Total/NA	Solid	8015NM Prep	
885-12721-21	BH24-07 4'	Total/NA	Solid	8015NM Prep	
885-12721-23	BH24-08 2'	Total/NA	Solid	8015NM Prep	
885-12721-24	BH24-08 4'	Total/NA	Solid	8015NM Prep	

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Job ID: 885-12721-1

GC Semi VOA (Continued)

Prep Batch: 92139 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-25	BH24-09 0'	Total/NA	Solid	8015NM Prep	
885-12721-26	BH24-09 2'	Total/NA	Solid	8015NM Prep	
885-12721-27	BH24-09 4'	Total/NA	Solid	8015NM Prep	
MB 880-92139/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92139/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92139/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
885-12721-1 MS	BH24-01 0'	Total/NA	Solid	8015NM Prep	
885-12721-1 MSD	BH24-01 0'	Total/NA	Solid	8015NM Prep	

Prep Batch: 92169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-28	BH24-10 0'	Total/NA	Solid	8015NM Prep	
885-12721-30	BH24-10 4'	Total/NA	Solid	8015NM Prep	
885-12721-31	BH24-11 0'	Total/NA	Solid	8015NM Prep	
885-12721-32	BH24-11 2'	Total/NA	Solid	8015NM Prep	
885-12721-34	BH24-12 0'	Total/NA	Solid	8015NM Prep	
885-12721-35	BH24-12 2'	Total/NA	Solid	8015NM Prep	
885-12721-38	BH24-13 2'	Total/NA	Solid	8015NM Prep	
885-12721-39	BH24-13 4'	Total/NA	Solid	8015NM Prep	
885-12721-41	BH24-14 2'	Total/NA	Solid	8015NM Prep	
885-12721-43	BH24-15 2'	Total/NA	Solid	8015NM Prep	
885-12721-44	BH24-15 4'	Total/NA	Solid	8015NM Prep	
885-12721-45	BH24-16 0'	Total/NA	Solid	8015NM Prep	
885-12721-46	BH24-16 2'	Total/NA	Solid	8015NM Prep	
885-12721-47	BH24-16 4'	Total/NA	Solid	8015NM Prep	
885-12721-48	BH24-17 0'	Total/NA	Solid	8015NM Prep	
885-12721-49	BH24-17 2'	Total/NA	Solid	8015NM Prep	
885-12721-50	BH24-17 4'	Total/NA	Solid	8015NM Prep	
885-12721-51	BH24-18 0'	Total/NA	Solid	8015NM Prep	
885-12721-52	BH24-18 2'	Total/NA	Solid	8015NM Prep	
885-12721-53	BH24-18 4'	Total/NA	Solid	8015NM Prep	
MB 880-92169/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92169/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92169/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
885-12721-28 MS	BH24-10 0'	Total/NA	Solid	8015NM Prep	
885-12721-28 MSD	BH24-10 0'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 92175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-2	BH24-01 2'	Total/NA	Solid	8015B NM	92048
885-12721-9	BH24-03 4'	Total/NA	Solid	8015B NM	92048
885-12721-11	BH24-04 2'	Total/NA	Solid	8015B NM	92048
885-12721-13	BH24-05 0'	Total/NA	Solid	8015B NM	92048
885-12721-17	BH24-06 2'	Total/NA	Solid	8015B NM	92048
885-12721-18	BH24-06 4'	Total/NA	Solid	8015B NM	92048
885-12721-22	BH24-08 0'	Total/NA	Solid	8015B NM	92048
885-12721-29	BH24-10 2'	Total/NA	Solid	8015B NM	92048
885-12721-33	BH24-11 4'	Total/NA	Solid	8015B NM	92048
MB 880-92048/1-A	Method Blank	Total/NA	Solid	8015B NM	92048
LCS 880-92048/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92048
LCSD 880-92048/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92048

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

GC Semi VOA

Analysis Batch: 92279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-99	BH24-34 0'	Total/NA	Solid	8015B NM	92131
885-12721-100	BH24-34 2'	Total/NA	Solid	8015B NM	92131
MB 880-92131/1-A	Method Blank	Total/NA	Solid	8015B NM	92131
LCS 880-92131/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92131
LCSD 880-92131/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92131
885-12721-99 MS	BH24-34 0'	Total/NA	Solid	8015B NM	92131
885-12721-99 MSD	BH24-34 0'	Total/NA	Solid	8015B NM	92131

Analysis Batch: 92281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-36	BH24-12 4'	Total/NA	Solid	8015B NM	92130
885-12721-37	BH24-13 0'	Total/NA	Solid	8015B NM	92130
885-12721-40	BH24-14 0'	Total/NA	Solid	8015B NM	92130
885-12721-42	BH24-15 0'	Total/NA	Solid	8015B NM	92130
885-12721-54	BH24-19 0'	Total/NA	Solid	8015B NM	92130
885-12721-55	BH24-19 2'	Total/NA	Solid	8015B NM	92130
885-12721-56	BH24-19 4'	Total/NA	Solid	8015B NM	92130
885-12721-59	BH24-20 4'	Total/NA	Solid	8015B NM	92130
885-12721-62	BH24-21 4'	Total/NA	Solid	8015B NM	92130
885-12721-63	BH24-22 0'	Total/NA	Solid	8015B NM	92130
885-12721-64	BH24-22 2'	Total/NA	Solid	8015B NM	92130
885-12721-66	BH24-23 0'	Total/NA	Solid	8015B NM	92130
885-12721-67	BH24-23 2'	Total/NA	Solid	8015B NM	92130
885-12721-76	BH24-26 2'	Total/NA	Solid	8015B NM	92130
885-12721-80	BH24-27 4'	Total/NA	Solid	8015B NM	92130
885-12721-86	BH24-29 4'	Total/NA	Solid	8015B NM	92130
885-12721-90	BH24-31 0'	Total/NA	Solid	8015B NM	92130
885-12721-92	BH24-31 4'	Total/NA	Solid	8015B NM	92130
885-12721-94	BH24-32 2'	Total/NA	Solid	8015B NM	92130
885-12721-98	BH24-33 4'	Total/NA	Solid	8015B NM	92130
MB 880-92130/1-A	Method Blank	Total/NA	Solid	8015B NM	92130
LCS 880-92130/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92130
LCSD 880-92130/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92130
885-12721-36 MS	BH24-12 4'	Total/NA	Solid	8015B NM	92130
885-12721-36 MSD	BH24-12 4'	Total/NA	Solid	8015B NM	92130

Analysis Batch: 92333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-1	BH24-01 0'	Total/NA	Solid	8015B NM	92139
885-12721-3	BH24-01 4'	Total/NA	Solid	8015B NM	92139
885-12721-4	BH24-02 0'	Total/NA	Solid	8015B NM	92139
885-12721-5	BH24-02 2'	Total/NA	Solid	8015B NM	92139
885-12721-6	BH24-02 4'	Total/NA	Solid	8015B NM	92139
885-12721-7	BH24-03 0'	Total/NA	Solid	8015B NM	92139
885-12721-8	BH24-03 2'	Total/NA	Solid	8015B NM	92139
885-12721-10	BH24-04 0'	Total/NA	Solid	8015B NM	92139
885-12721-12	BH24-04 4'	Total/NA	Solid	8015B NM	92139
885-12721-14	BH24-05 2'	Total/NA	Solid	8015B NM	92139
885-12721-15	BH24-05 4'	Total/NA	Solid	8015B NM	92139
885-12721-16	BH24-06 0'	Total/NA	Solid	8015B NM	92139
885-12721-19	BH24-07 0'	Total/NA	Solid	8015B NM	92139

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Job ID: 885-12721-1

GC Semi VOA (Continued)

Analysis Batch: 92333 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-20	BH24-07 2'	Total/NA	Solid	8015B NM	92139
885-12721-21	BH24-07 4'	Total/NA	Solid	8015B NM	92139
885-12721-23	BH24-08 2'	Total/NA	Solid	8015B NM	92139
885-12721-24	BH24-08 4'	Total/NA	Solid	8015B NM	92139
885-12721-25	BH24-09 0'	Total/NA	Solid	8015B NM	92139
885-12721-26	BH24-09 2'	Total/NA	Solid	8015B NM	92139
885-12721-27	BH24-09 4'	Total/NA	Solid	8015B NM	92139
MB 880-92139/1-A	Method Blank	Total/NA	Solid	8015B NM	92139
LCS 880-92139/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92139
LCSD 880-92139/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92139
885-12721-1 MS	BH24-01 0'	Total/NA	Solid	8015B NM	92139
885-12721-1 MSD	BH24-01 0'	Total/NA	Solid	8015B NM	92139

Analysis Batch: 92335

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-28	BH24-10 0'	Total/NA	Solid	8015B NM	92169
885-12721-30	BH24-10 4'	Total/NA	Solid	8015B NM	92169
885-12721-31	BH24-11 0'	Total/NA	Solid	8015B NM	92169
885-12721-32	BH24-11 2'	Total/NA	Solid	8015B NM	92169
885-12721-34	BH24-12 0'	Total/NA	Solid	8015B NM	92169
885-12721-35	BH24-12 2'	Total/NA	Solid	8015B NM	92169
885-12721-38	BH24-13 2'	Total/NA	Solid	8015B NM	92169
885-12721-39	BH24-13 4'	Total/NA	Solid	8015B NM	92169
885-12721-41	BH24-14 2'	Total/NA	Solid	8015B NM	92169
885-12721-43	BH24-15 2'	Total/NA	Solid	8015B NM	92169
885-12721-44	BH24-15 4'	Total/NA	Solid	8015B NM	92169
885-12721-45	BH24-16 0'	Total/NA	Solid	8015B NM	92169
885-12721-46	BH24-16 2'	Total/NA	Solid	8015B NM	92169
885-12721-47	BH24-16 4'	Total/NA	Solid	8015B NM	92169
885-12721-48	BH24-17 0'	Total/NA	Solid	8015B NM	92169
885-12721-49	BH24-17 2'	Total/NA	Solid	8015B NM	92169
885-12721-50	BH24-17 4'	Total/NA	Solid	8015B NM	92169
885-12721-51	BH24-18 0'	Total/NA	Solid	8015B NM	92169
885-12721-52	BH24-18 2'	Total/NA	Solid	8015B NM	92169
885-12721-53	BH24-18 4'	Total/NA	Solid	8015B NM	92169
MB 880-92169/1-A	Method Blank	Total/NA	Solid	8015B NM	92169
LCS 880-92169/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92169
LCSD 880-92169/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92169
885-12721-28 MS	BH24-10 0'	Total/NA	Solid	8015B NM	92169
885-12721-28 MSD	BH24-10 0'	Total/NA	Solid	8015B NM	92169

Analysis Batch: 92337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-57	BH24-20 0'	Total/NA	Solid	8015B NM	92344
885-12721-58	BH24-20 2'	Total/NA	Solid	8015B NM	92344
885-12721-60	BH24-21 0'	Total/NA	Solid	8015B NM	92344
885-12721-61	BH24-21 2'	Total/NA	Solid	8015B NM	92344
885-12721-65	BH24-22 4'	Total/NA	Solid	8015B NM	92344
885-12721-68	BH24-23 4'	Total/NA	Solid	8015B NM	92344
885-12721-69	BH24-24 0'	Total/NA	Solid	8015B NM	92344
885-12721-70	BH24-24 2'	Total/NA	Solid	8015B NM	92344

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

GC Semi VOA (Continued)

Analysis Batch: 92337 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-71	BH24-24 4'	Total/NA	Solid	8015B NM	92344
885-12721-72	BH24-25 0'	Total/NA	Solid	8015B NM	92344
885-12721-73	BH24-25 2'	Total/NA	Solid	8015B NM	92344
885-12721-74	BH24-25 4'	Total/NA	Solid	8015B NM	92344
885-12721-75	BH24-26 0'	Total/NA	Solid	8015B NM	92344
885-12721-77	BH24-26 4'	Total/NA	Solid	8015B NM	92344
885-12721-78	BH24-27 0'	Total/NA	Solid	8015B NM	92344
885-12721-79	BH24-27 2'	Total/NA	Solid	8015B NM	92344
885-12721-81	BH24-28 0'	Total/NA	Solid	8015B NM	92344
885-12721-82	BH24-28 2'	Total/NA	Solid	8015B NM	92344
885-12721-83	BH24-28 4'	Total/NA	Solid	8015B NM	92344
885-12721-84	BH24-29 0'	Total/NA	Solid	8015B NM	92344
MB 880-92344/1-A	Method Blank	Total/NA	Solid	8015B NM	92344
LCS 880-92344/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92344
LCSD 880-92344/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92344
885-12721-57 MS	BH24-20 0'	Total/NA	Solid	8015B NM	92344
885-12721-57 MSD	BH24-20 0'	Total/NA	Solid	8015B NM	92344

Analysis Batch: 92339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-85	BH24-29 2'	Total/NA	Solid	8015B NM	92346
885-12721-87	BH24-30 0'	Total/NA	Solid	8015B NM	92346
885-12721-88	BH24-30 2'	Total/NA	Solid	8015B NM	92346
885-12721-89	BH24-30 4'	Total/NA	Solid	8015B NM	92346
885-12721-91	BH24-31 2'	Total/NA	Solid	8015B NM	92346
885-12721-93	BH24-32 0'	Total/NA	Solid	8015B NM	92346
885-12721-95	BH24-32 4'	Total/NA	Solid	8015B NM	92346
885-12721-96	BH24-33 0'	Total/NA	Solid	8015B NM	92346
885-12721-97	BH24-33 2'	Total/NA	Solid	8015B NM	92346
885-12721-101	BH24-34 4'	Total/NA	Solid	8015B NM	92346
MB 880-92346/1-A	Method Blank	Total/NA	Solid	8015B NM	92346
LCS 880-92346/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92346
LCSD 880-92346/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92346
885-12721-85 MS	BH24-29 2'	Total/NA	Solid	8015B NM	92346
885-12721-85 MSD	BH24-29 2'	Total/NA	Solid	8015B NM	92346

Prep Batch: 92344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-57	BH24-20 0'	Total/NA	Solid	8015NM Prep	
885-12721-58	BH24-20 2'	Total/NA	Solid	8015NM Prep	
885-12721-60	BH24-21 0'	Total/NA	Solid	8015NM Prep	
885-12721-61	BH24-21 2'	Total/NA	Solid	8015NM Prep	
885-12721-65	BH24-22 4'	Total/NA	Solid	8015NM Prep	
885-12721-68	BH24-23 4'	Total/NA	Solid	8015NM Prep	
885-12721-69	BH24-24 0'	Total/NA	Solid	8015NM Prep	
885-12721-70	BH24-24 2'	Total/NA	Solid	8015NM Prep	
885-12721-71	BH24-24 4'	Total/NA	Solid	8015NM Prep	
885-12721-72	BH24-25 0'	Total/NA	Solid	8015NM Prep	
885-12721-73	BH24-25 2'	Total/NA	Solid	8015NM Prep	
885-12721-74	BH24-25 4'	Total/NA	Solid	8015NM Prep	
885-12721-75	BH24-26 0'	Total/NA	Solid	8015NM Prep	

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

GC Semi VOA (Continued)

Prep Batch: 92344 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-77	BH24-26 4'	Total/NA	Solid	8015NM Prep	
885-12721-78	BH24-27 0'	Total/NA	Solid	8015NM Prep	
885-12721-79	BH24-27 2'	Total/NA	Solid	8015NM Prep	
885-12721-81	BH24-28 0'	Total/NA	Solid	8015NM Prep	
885-12721-82	BH24-28 2'	Total/NA	Solid	8015NM Prep	
885-12721-83	BH24-28 4'	Total/NA	Solid	8015NM Prep	
885-12721-84	BH24-29 0'	Total/NA	Solid	8015NM Prep	
MB 880-92344/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92344/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92344/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
885-12721-57 MS	BH24-20 0'	Total/NA	Solid	8015NM Prep	
885-12721-57 MSD	BH24-20 0'	Total/NA	Solid	8015NM Prep	

Prep Batch: 92346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-85	BH24-29 2'	Total/NA	Solid	8015NM Prep	
885-12721-87	BH24-30 0'	Total/NA	Solid	8015NM Prep	
885-12721-88	BH24-30 2'	Total/NA	Solid	8015NM Prep	
885-12721-89	BH24-30 4'	Total/NA	Solid	8015NM Prep	
885-12721-91	BH24-31 2'	Total/NA	Solid	8015NM Prep	
885-12721-93	BH24-32 0'	Total/NA	Solid	8015NM Prep	
885-12721-95	BH24-32 4'	Total/NA	Solid	8015NM Prep	
885-12721-96	BH24-33 0'	Total/NA	Solid	8015NM Prep	
885-12721-97	BH24-33 2'	Total/NA	Solid	8015NM Prep	
885-12721-101	BH24-34 4'	Total/NA	Solid	8015NM Prep	
MB 880-92346/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92346/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92346/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
885-12721-85 MS	BH24-29 2'	Total/NA	Solid	8015NM Prep	
885-12721-85 MSD	BH24-29 2'	Total/NA	Solid	8015NM Prep	

HPLC/IC

Leach Batch: 91974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-2	BH24-01 2'	Soluble	Solid	DI Leach	
885-12721-9	BH24-03 4'	Soluble	Solid	DI Leach	
885-12721-11	BH24-04 2'	Soluble	Solid	DI Leach	
885-12721-13	BH24-05 0'	Soluble	Solid	DI Leach	
885-12721-17	BH24-06 2'	Soluble	Solid	DI Leach	
885-12721-18	BH24-06 4'	Soluble	Solid	DI Leach	
885-12721-22	BH24-08 0'	Soluble	Solid	DI Leach	
885-12721-29	BH24-10 2'	Soluble	Solid	DI Leach	
885-12721-33	BH24-11 4'	Soluble	Solid	DI Leach	
885-12721-36	BH24-12 4'	Soluble	Solid	DI Leach	
885-12721-37	BH24-13 0'	Soluble	Solid	DI Leach	
885-12721-40	BH24-14 0'	Soluble	Solid	DI Leach	
885-12721-42	BH24-15 0'	Soluble	Solid	DI Leach	
885-12721-54	BH24-19 0'	Soluble	Solid	DI Leach	
885-12721-55	BH24-19 2'	Soluble	Solid	DI Leach	
885-12721-56	BH24-19 4'	Soluble	Solid	DI Leach	

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Job ID: 885-12721-1

HPLC/IC (Continued)

Leach Batch: 91974 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-59	BH24-20 4'	Soluble	Solid	DI Leach	
885-12721-62	BH24-21 4'	Soluble	Solid	DI Leach	
885-12721-63	BH24-22 0'	Soluble	Solid	DI Leach	
885-12721-64	BH24-22 2'	Soluble	Solid	DI Leach	
MB 880-91974/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91974/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91974/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
885-12721-2 MS	BH24-01 2'	Soluble	Solid	DI Leach	
885-12721-2 MSD	BH24-01 2'	Soluble	Solid	DI Leach	
885-12721-37 MS	BH24-13 0'	Soluble	Solid	DI Leach	
885-12721-37 MSD	BH24-13 0'	Soluble	Solid	DI Leach	

Leach Batch: 91975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-66	BH24-23 0'	Soluble	Solid	DI Leach	
885-12721-67	BH24-23 2'	Soluble	Solid	DI Leach	
885-12721-76	BH24-26 2'	Soluble	Solid	DI Leach	
885-12721-80	BH24-27 4'	Soluble	Solid	DI Leach	
885-12721-86	BH24-29 4'	Soluble	Solid	DI Leach	
885-12721-90	BH24-31 0'	Soluble	Solid	DI Leach	
885-12721-92	BH24-31 4'	Soluble	Solid	DI Leach	
885-12721-94	BH24-32 2'	Soluble	Solid	DI Leach	
885-12721-98	BH24-33 4'	Soluble	Solid	DI Leach	
885-12721-99	BH24-34 0'	Soluble	Solid	DI Leach	
885-12721-100	BH24-34 2'	Soluble	Solid	DI Leach	
MB 880-91975/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91975/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91975/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
885-12721-66 MS	BH24-23 0'	Soluble	Solid	DI Leach	
885-12721-66 MSD	BH24-23 0'	Soluble	Solid	DI Leach	
885-12721-100 MS	BH24-34 2'	Soluble	Solid	DI Leach	
885-12721-100 MSD	BH24-34 2'	Soluble	Solid	DI Leach	

Leach Batch: 91976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-1	BH24-01 0'	Soluble	Solid	DI Leach	
885-12721-3	BH24-01 4'	Soluble	Solid	DI Leach	
885-12721-4	BH24-02 0'	Soluble	Solid	DI Leach	
885-12721-5	BH24-02 2'	Soluble	Solid	DI Leach	
885-12721-6	BH24-02 4'	Soluble	Solid	DI Leach	
885-12721-7	BH24-03 0'	Soluble	Solid	DI Leach	
885-12721-8	BH24-03 2'	Soluble	Solid	DI Leach	
885-12721-10	BH24-04 0'	Soluble	Solid	DI Leach	
885-12721-12	BH24-04 4'	Soluble	Solid	DI Leach	
885-12721-14	BH24-05 2'	Soluble	Solid	DI Leach	
885-12721-15	BH24-05 4'	Soluble	Solid	DI Leach	
885-12721-16	BH24-06 0'	Soluble	Solid	DI Leach	
885-12721-19	BH24-07 0'	Soluble	Solid	DI Leach	
885-12721-20	BH24-07 2'	Soluble	Solid	DI Leach	
885-12721-21	BH24-07 4'	Soluble	Solid	DI Leach	
885-12721-23	BH24-08 2'	Soluble	Solid	DI Leach	

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Job ID: 885-12721-1

HPLC/IC (Continued)

Leach Batch: 91976 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-24	BH24-08 4'	Soluble	Solid	DI Leach	
885-12721-25	BH24-09 0'	Soluble	Solid	DI Leach	
885-12721-26	BH24-09 2'	Soluble	Solid	DI Leach	
885-12721-27	BH24-09 4'	Soluble	Solid	DI Leach	
MB 880-91976/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91976/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91976/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
885-12721-1 MS	BH24-01 0'	Soluble	Solid	DI Leach	
885-12721-1 MSD	BH24-01 0'	Soluble	Solid	DI Leach	
885-12721-15 MS	BH24-05 4'	Soluble	Solid	DI Leach	
885-12721-15 MSD	BH24-05 4'	Soluble	Solid	DI Leach	

Leach Batch: 91977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-28	BH24-10 0'	Soluble	Solid	DI Leach	
885-12721-30	BH24-10 4'	Soluble	Solid	DI Leach	
885-12721-31	BH24-11 0'	Soluble	Solid	DI Leach	
885-12721-32	BH24-11 2'	Soluble	Solid	DI Leach	
885-12721-34	BH24-12 0'	Soluble	Solid	DI Leach	
885-12721-35	BH24-12 2'	Soluble	Solid	DI Leach	
885-12721-38	BH24-13 2'	Soluble	Solid	DI Leach	
885-12721-53	BH24-18 4'	Soluble	Solid	DI Leach	
885-12721-57	BH24-20 0'	Soluble	Solid	DI Leach	
885-12721-58	BH24-20 2'	Soluble	Solid	DI Leach	
885-12721-60	BH24-21 0'	Soluble	Solid	DI Leach	
885-12721-83	BH24-28 4'	Soluble	Solid	DI Leach	
885-12721-84	BH24-29 0'	Soluble	Solid	DI Leach	
885-12721-85	BH24-29 2'	Soluble	Solid	DI Leach	
885-12721-87	BH24-30 0'	Soluble	Solid	DI Leach	
885-12721-88	BH24-30 2'	Soluble	Solid	DI Leach	
885-12721-89	BH24-30 4'	Soluble	Solid	DI Leach	
885-12721-91	BH24-31 2'	Soluble	Solid	DI Leach	
885-12721-93	BH24-32 0'	Soluble	Solid	DI Leach	
885-12721-95	BH24-32 4'	Soluble	Solid	DI Leach	
MB 880-91977/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91977/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91977/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
885-12721-28 MS	BH24-10 0'	Soluble	Solid	DI Leach	
885-12721-28 MSD	BH24-10 0'	Soluble	Solid	DI Leach	
885-12721-60 MS	BH24-21 0'	Soluble	Solid	DI Leach	
885-12721-60 MSD	BH24-21 0'	Soluble	Solid	DI Leach	

Leach Batch: 91978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-96	BH24-33 0'	Soluble	Solid	DI Leach	
885-12721-97	BH24-33 2'	Soluble	Solid	DI Leach	
885-12721-101	BH24-34 4'	Soluble	Solid	DI Leach	
MB 880-91978/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91978/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91978/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
885-12721-96 MS	BH24-33 0'	Soluble	Solid	DI Leach	

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Job ID: 885-12721-1

HPLC/IC (Continued)

Leach Batch: 91978 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-96 MSD	BH24-33 0'	Soluble	Solid	DI Leach	

Leach Batch: 91980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-39	BH24-13 4'	Soluble	Solid	DI Leach	
885-12721-41	BH24-14 2'	Soluble	Solid	DI Leach	
MB 880-91980/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91980/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91980/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 91981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-43	BH24-15 2'	Soluble	Solid	DI Leach	
885-12721-44	BH24-15 4'	Soluble	Solid	DI Leach	
885-12721-45	BH24-16 0'	Soluble	Solid	DI Leach	
885-12721-46	BH24-16 2'	Soluble	Solid	DI Leach	
885-12721-47	BH24-16 4'	Soluble	Solid	DI Leach	
885-12721-48	BH24-17 0'	Soluble	Solid	DI Leach	
885-12721-49	BH24-17 2'	Soluble	Solid	DI Leach	
885-12721-50	BH24-17 4'	Soluble	Solid	DI Leach	
885-12721-51	BH24-18 0'	Soluble	Solid	DI Leach	
885-12721-52	BH24-18 2'	Soluble	Solid	DI Leach	
885-12721-61	BH24-21 2'	Soluble	Solid	DI Leach	
885-12721-65	BH24-22 4'	Soluble	Solid	DI Leach	
885-12721-68	BH24-23 4'	Soluble	Solid	DI Leach	
885-12721-69	BH24-24 0'	Soluble	Solid	DI Leach	
885-12721-70	BH24-24 2'	Soluble	Solid	DI Leach	
885-12721-71	BH24-24 4'	Soluble	Solid	DI Leach	
885-12721-72	BH24-25 0'	Soluble	Solid	DI Leach	
885-12721-73	BH24-25 2'	Soluble	Solid	DI Leach	
885-12721-74	BH24-25 4'	Soluble	Solid	DI Leach	
885-12721-75	BH24-26 0'	Soluble	Solid	DI Leach	
MB 880-91981/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-91981/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-91981/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
885-12721-43 MS	BH24-15 2'	Soluble	Solid	DI Leach	
885-12721-43 MSD	BH24-15 2'	Soluble	Solid	DI Leach	
885-12721-61 MS	BH24-21 2'	Soluble	Solid	DI Leach	
885-12721-61 MSD	BH24-21 2'	Soluble	Solid	DI Leach	

Analysis Batch: 92262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-2	BH24-01 2'	Soluble	Solid	300.0	91974
885-12721-9	BH24-03 4'	Soluble	Solid	300.0	91974
885-12721-11	BH24-04 2'	Soluble	Solid	300.0	91974
885-12721-13	BH24-05 0'	Soluble	Solid	300.0	91974
885-12721-17	BH24-06 2'	Soluble	Solid	300.0	91974
885-12721-18	BH24-06 4'	Soluble	Solid	300.0	91974
885-12721-22	BH24-08 0'	Soluble	Solid	300.0	91974
885-12721-29	BH24-10 2'	Soluble	Solid	300.0	91974
885-12721-33	BH24-11 4'	Soluble	Solid	300.0	91974

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Job ID: 885-12721-1

HPLC/IC (Continued)

Analysis Batch: 92262 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-36	BH24-12 4'	Soluble	Solid	300.0	91974
885-12721-37	BH24-13 0'	Soluble	Solid	300.0	91974
885-12721-40	BH24-14 0'	Soluble	Solid	300.0	91974
885-12721-42	BH24-15 0'	Soluble	Solid	300.0	91974
885-12721-54	BH24-19 0'	Soluble	Solid	300.0	91974
885-12721-55	BH24-19 2'	Soluble	Solid	300.0	91974
885-12721-56	BH24-19 4'	Soluble	Solid	300.0	91974
885-12721-59	BH24-20 4'	Soluble	Solid	300.0	91974
885-12721-62	BH24-21 4'	Soluble	Solid	300.0	91974
885-12721-63	BH24-22 0'	Soluble	Solid	300.0	91974
885-12721-64	BH24-22 2'	Soluble	Solid	300.0	91974
MB 880-91974/1-A	Method Blank	Soluble	Solid	300.0	91974
LCS 880-91974/2-A	Lab Control Sample	Soluble	Solid	300.0	91974
LCSD 880-91974/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91974
885-12721-2 MS	BH24-01 2'	Soluble	Solid	300.0	91974
885-12721-2 MSD	BH24-01 2'	Soluble	Solid	300.0	91974
885-12721-37 MS	BH24-13 0'	Soluble	Solid	300.0	91974
885-12721-37 MSD	BH24-13 0'	Soluble	Solid	300.0	91974

Analysis Batch: 92274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-66	BH24-23 0'	Soluble	Solid	300.0	91975
885-12721-67	BH24-23 2'	Soluble	Solid	300.0	91975
885-12721-76	BH24-26 2'	Soluble	Solid	300.0	91975
885-12721-80	BH24-27 4'	Soluble	Solid	300.0	91975
885-12721-86	BH24-29 4'	Soluble	Solid	300.0	91975
885-12721-90	BH24-31 0'	Soluble	Solid	300.0	91975
885-12721-92	BH24-31 4'	Soluble	Solid	300.0	91975
885-12721-94	BH24-32 2'	Soluble	Solid	300.0	91975
885-12721-98	BH24-33 4'	Soluble	Solid	300.0	91975
885-12721-99	BH24-34 0'	Soluble	Solid	300.0	91975
885-12721-100	BH24-34 2'	Soluble	Solid	300.0	91975
MB 880-91975/1-A	Method Blank	Soluble	Solid	300.0	91975
LCS 880-91975/2-A	Lab Control Sample	Soluble	Solid	300.0	91975
LCSD 880-91975/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91975
885-12721-66 MS	BH24-23 0'	Soluble	Solid	300.0	91975
885-12721-66 MSD	BH24-23 0'	Soluble	Solid	300.0	91975
885-12721-100 MS	BH24-34 2'	Soluble	Solid	300.0	91975
885-12721-100 MSD	BH24-34 2'	Soluble	Solid	300.0	91975

Analysis Batch: 92352

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-1	BH24-01 0'	Soluble	Solid	300.0	91976
885-12721-3	BH24-01 4'	Soluble	Solid	300.0	91976
885-12721-4	BH24-02 0'	Soluble	Solid	300.0	91976
885-12721-5	BH24-02 2'	Soluble	Solid	300.0	91976
885-12721-6	BH24-02 4'	Soluble	Solid	300.0	91976
885-12721-7	BH24-03 0'	Soluble	Solid	300.0	91976
885-12721-8	BH24-03 2'	Soluble	Solid	300.0	91976
885-12721-10	BH24-04 0'	Soluble	Solid	300.0	91976
885-12721-12	BH24-04 4'	Soluble	Solid	300.0	91976

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Job ID: 885-12721-1

HPLC/IC (Continued)

Analysis Batch: 92352 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-14	BH24-05 2'	Soluble	Solid	300.0	91976
885-12721-15	BH24-05 4'	Soluble	Solid	300.0	91976
885-12721-16	BH24-06 0'	Soluble	Solid	300.0	91976
885-12721-19	BH24-07 0'	Soluble	Solid	300.0	91976
885-12721-20	BH24-07 2'	Soluble	Solid	300.0	91976
885-12721-21	BH24-07 4'	Soluble	Solid	300.0	91976
885-12721-23	BH24-08 2'	Soluble	Solid	300.0	91976
885-12721-24	BH24-08 4'	Soluble	Solid	300.0	91976
885-12721-25	BH24-09 0'	Soluble	Solid	300.0	91976
885-12721-26	BH24-09 2'	Soluble	Solid	300.0	91976
885-12721-27	BH24-09 4'	Soluble	Solid	300.0	91976
MB 880-91976/1-A	Method Blank	Soluble	Solid	300.0	91976
LCS 880-91976/2-A	Lab Control Sample	Soluble	Solid	300.0	91976
LCSD 880-91976/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91976
885-12721-1 MS	BH24-01 0'	Soluble	Solid	300.0	91976
885-12721-1 MSD	BH24-01 0'	Soluble	Solid	300.0	91976
885-12721-15 MS	BH24-05 4'	Soluble	Solid	300.0	91976
885-12721-15 MSD	BH24-05 4'	Soluble	Solid	300.0	91976

Analysis Batch: 92357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-28	BH24-10 0'	Soluble	Solid	300.0	91977
885-12721-30	BH24-10 4'	Soluble	Solid	300.0	91977
885-12721-31	BH24-11 0'	Soluble	Solid	300.0	91977
885-12721-32	BH24-11 2'	Soluble	Solid	300.0	91977
885-12721-34	BH24-12 0'	Soluble	Solid	300.0	91977
885-12721-35	BH24-12 2'	Soluble	Solid	300.0	91977
885-12721-38	BH24-13 2'	Soluble	Solid	300.0	91977
885-12721-53	BH24-18 4'	Soluble	Solid	300.0	91977
885-12721-57	BH24-20 0'	Soluble	Solid	300.0	91977
885-12721-58	BH24-20 2'	Soluble	Solid	300.0	91977
885-12721-60	BH24-21 0'	Soluble	Solid	300.0	91977
885-12721-83	BH24-28 4'	Soluble	Solid	300.0	91977
885-12721-84	BH24-29 0'	Soluble	Solid	300.0	91977
885-12721-85	BH24-29 2'	Soluble	Solid	300.0	91977
885-12721-87	BH24-30 0'	Soluble	Solid	300.0	91977
885-12721-88	BH24-30 2'	Soluble	Solid	300.0	91977
885-12721-89	BH24-30 4'	Soluble	Solid	300.0	91977
885-12721-91	BH24-31 2'	Soluble	Solid	300.0	91977
885-12721-93	BH24-32 0'	Soluble	Solid	300.0	91977
885-12721-95	BH24-32 4'	Soluble	Solid	300.0	91977
MB 880-91977/1-A	Method Blank	Soluble	Solid	300.0	91977
LCS 880-91977/2-A	Lab Control Sample	Soluble	Solid	300.0	91977
LCSD 880-91977/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91977
885-12721-28 MS	BH24-10 0'	Soluble	Solid	300.0	91977
885-12721-28 MSD	BH24-10 0'	Soluble	Solid	300.0	91977
885-12721-60 MS	BH24-21 0'	Soluble	Solid	300.0	91977
885-12721-60 MSD	BH24-21 0'	Soluble	Solid	300.0	91977

Eurofins Albuquerque

QC Association Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

HPLC/IC

Analysis Batch: 92358

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-96	BH24-33 0'	Soluble	Solid	300.0	91978
885-12721-97	BH24-33 2'	Soluble	Solid	300.0	91978
885-12721-101	BH24-34 4'	Soluble	Solid	300.0	91978
MB 880-91978/1-A	Method Blank	Soluble	Solid	300.0	91978
LCS 880-91978/2-A	Lab Control Sample	Soluble	Solid	300.0	91978
LCSD 880-91978/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91978
885-12721-96 MS	BH24-33 0'	Soluble	Solid	300.0	91978
885-12721-96 MSD	BH24-33 0'	Soluble	Solid	300.0	91978

Analysis Batch: 92375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-43	BH24-15 2'	Soluble	Solid	300.0	91981
885-12721-44	BH24-15 4'	Soluble	Solid	300.0	91981
885-12721-45	BH24-16 0'	Soluble	Solid	300.0	91981
885-12721-46	BH24-16 2'	Soluble	Solid	300.0	91981
885-12721-47	BH24-16 4'	Soluble	Solid	300.0	91981
885-12721-48	BH24-17 0'	Soluble	Solid	300.0	91981
885-12721-49	BH24-17 2'	Soluble	Solid	300.0	91981
885-12721-50	BH24-17 4'	Soluble	Solid	300.0	91981
885-12721-51	BH24-18 0'	Soluble	Solid	300.0	91981
885-12721-52	BH24-18 2'	Soluble	Solid	300.0	91981
885-12721-61	BH24-21 2'	Soluble	Solid	300.0	91981
885-12721-65	BH24-22 4'	Soluble	Solid	300.0	91981
885-12721-68	BH24-23 4'	Soluble	Solid	300.0	91981
885-12721-69	BH24-24 0'	Soluble	Solid	300.0	91981
885-12721-70	BH24-24 2'	Soluble	Solid	300.0	91981
885-12721-71	BH24-24 4'	Soluble	Solid	300.0	91981
885-12721-72	BH24-25 0'	Soluble	Solid	300.0	91981
885-12721-73	BH24-25 2'	Soluble	Solid	300.0	91981
885-12721-74	BH24-25 4'	Soluble	Solid	300.0	91981
885-12721-75	BH24-26 0'	Soluble	Solid	300.0	91981
MB 880-91981/1-A	Method Blank	Soluble	Solid	300.0	91981
LCS 880-91981/2-A	Lab Control Sample	Soluble	Solid	300.0	91981
LCSD 880-91981/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91981
885-12721-43 MS	BH24-15 2'	Soluble	Solid	300.0	91981
885-12721-43 MSD	BH24-15 2'	Soluble	Solid	300.0	91981
885-12721-61 MS	BH24-21 2'	Soluble	Solid	300.0	91981
885-12721-61 MSD	BH24-21 2'	Soluble	Solid	300.0	91981

Analysis Batch: 92376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-39	BH24-13 4'	Soluble	Solid	300.0	91980
885-12721-41	BH24-14 2'	Soluble	Solid	300.0	91980
MB 880-91980/1-A	Method Blank	Soluble	Solid	300.0	91980
LCS 880-91980/2-A	Lab Control Sample	Soluble	Solid	300.0	91980
LCSD 880-91980/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	91980

Leach Batch: 92381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-77	BH24-26 4'	Soluble	Solid	DI Leach	
885-12721-78	BH24-27 0'	Soluble	Solid	DI Leach	

Eurofins Albuquerque

QC Association Summary

Client: Vertex

Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

HPLC/IC (Continued)

Leach Batch: 92381 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-79	BH24-27 2'	Soluble	Solid	DI Leach	
885-12721-81	BH24-28 0'	Soluble	Solid	DI Leach	
885-12721-82	BH24-28 2'	Soluble	Solid	DI Leach	
MB 880-92381/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92381/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92381/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
885-12721-77 MS	BH24-26 4'	Soluble	Solid	DI Leach	
885-12721-77 MSD	BH24-26 4'	Soluble	Solid	DI Leach	

Analysis Batch: 92382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12721-77	BH24-26 4'	Soluble	Solid	300.0	92381
885-12721-78	BH24-27 0'	Soluble	Solid	300.0	92381
885-12721-79	BH24-27 2'	Soluble	Solid	300.0	92381
885-12721-81	BH24-28 0'	Soluble	Solid	300.0	92381
885-12721-82	BH24-28 2'	Soluble	Solid	300.0	92381
MB 880-92381/1-A	Method Blank	Soluble	Solid	300.0	92381
LCS 880-92381/2-A	Lab Control Sample	Soluble	Solid	300.0	92381
LCSD 880-92381/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	92381
885-12721-77 MS	BH24-26 4'	Soluble	Solid	300.0	92381
885-12721-77 MSD	BH24-26 4'	Soluble	Solid	300.0	92381

Lab Chronicle

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-01 0'

Lab Sample ID: 885-12721-1

Date Collected: 09/23/24 08:00

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/02/24 23:23
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/02/24 20:35
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 19:22

Client Sample ID: BH24-01 2'

Lab Sample ID: 885-12721-2

Date Collected: 09/23/24 08:05

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/01/24 22:37
Total/NA	Prep	8015NM Prep			92048	EL	EET MID	09/29/24 20:59
Total/NA	Analysis	8015B NM		1	92175	TKC	EET MID	10/01/24 16:38
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 20:27

Client Sample ID: BH24-01 4'

Lab Sample ID: 885-12721-3

Date Collected: 09/23/24 08:10

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/02/24 23:43
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/02/24 21:24
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 19:38

Client Sample ID: BH24-02 0'

Lab Sample ID: 885-12721-4

Date Collected: 09/23/24 08:15

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 00:04
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/02/24 21:40
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 19:44

Eurofins Albuquerque

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-02 2'
Date Collected: 09/23/24 08:20
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 00:25
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/02/24 21:57
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 19:49

Client Sample ID: BH24-02 4'
Date Collected: 09/23/24 08:25
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 00:45
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/02/24 22:13
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 19:55

Client Sample ID: BH24-03 0'
Date Collected: 09/23/24 08:30
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 01:06
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/02/24 22:30
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 20:11

Client Sample ID: BH24-03 2'
Date Collected: 09/23/24 08:35
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 01:26
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/02/24 22:46
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 20:16

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-03 4'
Date Collected: 09/23/24 08:40
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/01/24 22:57
Total/NA	Prep	8015NM Prep			92048	EL	EET MID	09/29/24 20:59
Total/NA	Analysis	8015B NM		1	92175	TKC	EET MID	10/01/24 16:55
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 20:43

Client Sample ID: BH24-04 0'
Date Collected: 09/23/24 08:45
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 01:47
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/02/24 23:01
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 20:22

Client Sample ID: BH24-04 2'
Date Collected: 09/23/24 08:50
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/01/24 23:18
Total/NA	Prep	8015NM Prep			92048	EL	EET MID	09/29/24 20:59
Total/NA	Analysis	8015B NM		1	92175	TKC	EET MID	10/01/24 17:11
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 20:49

Client Sample ID: BH24-04 4'
Date Collected: 09/23/24 08:55
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 02:07
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/02/24 23:18
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 20:27

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-05 0'
Date Collected: 09/23/24 09:00
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/01/24 23:38
Total/NA	Prep	8015NM Prep			92048	EL	EET MID	09/29/24 20:59
Total/NA	Analysis	8015B NM		1	92175	TKC	EET MID	10/01/24 17:28
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 20:54

Client Sample ID: BH24-05 2'
Date Collected: 09/23/24 09:05
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-14
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 02:28
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/02/24 23:34
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 20:32

Client Sample ID: BH24-05 4'
Date Collected: 09/23/24 09:10
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-15
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 03:53
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/03/24 00:06
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 20:38

Client Sample ID: BH24-06 0'
Date Collected: 09/23/24 09:15
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-16
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 04:13
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/03/24 00:23
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 20:54

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-06 2'
Date Collected: 09/23/24 09:20
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/01/24 23:59
Total/NA	Prep	8015NM Prep			92048	EL	EET MID	09/29/24 20:59
Total/NA	Analysis	8015B NM		1	92175	TKC	EET MID	10/01/24 17:44
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 21:00

Client Sample ID: BH24-06 4'
Date Collected: 09/23/24 09:25
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 00:19
Total/NA	Prep	8015NM Prep			92048	EL	EET MID	09/29/24 20:59
Total/NA	Analysis	8015B NM		1	92175	TKC	EET MID	10/01/24 18:01
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 21:16

Client Sample ID: BH24-07 0'
Date Collected: 09/23/24 09:30
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 04:34
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/03/24 00:39
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 20:59

Client Sample ID: BH24-07 2'
Date Collected: 09/23/24 09:35
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 04:54
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/03/24 00:55
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 21:16

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-07 4'
Date Collected: 09/23/24 09:40
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-21
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 05:15
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/03/24 01:13
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 21:21

Client Sample ID: BH24-08 0'
Date Collected: 09/23/24 09:40
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-22
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 00:40
Total/NA	Prep	8015NM Prep			92048	EL	EET MID	09/29/24 20:59
Total/NA	Analysis	8015B NM		1	92175	TKC	EET MID	10/01/24 18:17
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 21:21

Client Sample ID: BH24-08 2'
Date Collected: 09/23/24 09:45
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 05:35
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/03/24 01:28
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 21:26

Client Sample ID: BH24-08 4'
Date Collected: 09/23/24 09:50
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 05:56
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/03/24 01:44
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 21:32

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-09 0'
Date Collected: 09/24/24 10:25
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 06:17
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/03/24 02:02
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 21:37

Client Sample ID: BH24-09 2'
Date Collected: 09/24/24 10:30
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 06:37
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/03/24 02:18
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 21:43

Client Sample ID: BH24-09 4'
Date Collected: 09/24/24 10:35
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92343	MNR	EET MID	10/02/24 10:32
Total/NA	Analysis	8021B		1	92317	MNR	EET MID	10/03/24 06:58
Total/NA	Prep	8015NM Prep			92139	EL	EET MID	09/30/24 12:22
Total/NA	Analysis	8015B NM		1	92333	SM	EET MID	10/03/24 02:34
Soluble	Leach	DI Leach			91976	SA	EET MID	09/27/24 16:23
Soluble	Analysis	300.0		1	92352	CH	EET MID	10/02/24 21:48

Client Sample ID: BH24-10 0'
Date Collected: 09/23/24 10:30
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92348	MNR	EET MID	10/02/24 10:40
Total/NA	Analysis	8021B		1	92439	MNR	EET MID	10/03/24 12:38
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/02/24 20:35
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 08:38

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-10 2'
Date Collected: 09/23/24 10:35
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 01:00
Total/NA	Prep	8015NM Prep			92048	EL	EET MID	09/29/24 20:59
Total/NA	Analysis	8015B NM		1	92175	TKC	EET MID	10/01/24 18:34
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 21:27

Client Sample ID: BH24-10 4'
Date Collected: 09/24/24 10:40
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92348	MNR	EET MID	10/02/24 10:40
Total/NA	Analysis	8021B		1	92439	MNR	EET MID	10/03/24 12:59
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/02/24 21:24
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 00:23

Client Sample ID: BH24-11 0'
Date Collected: 09/23/24 10:40
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92348	MNR	EET MID	10/02/24 10:40
Total/NA	Analysis	8021B		1	92439	MNR	EET MID	10/03/24 13:57
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/02/24 21:40
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 00:29

Client Sample ID: BH24-11 2'
Date Collected: 09/23/24 10:45
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92348	MNR	EET MID	10/02/24 10:40
Total/NA	Analysis	8021B		1	92439	MNR	EET MID	10/03/24 14:18
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/02/24 21:57
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 08:58

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-11 4'
Date Collected: 09/24/24 10:45
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 01:21
Total/NA	Prep	8015NM Prep			92048	EL	EET MID	09/29/24 20:59
Total/NA	Analysis	8015B NM		1	92175	TKC	EET MID	10/01/24 18:50
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 21:32

Client Sample ID: BH24-12 0'
Date Collected: 09/23/24 10:50
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92348	MNR	EET MID	10/02/24 10:40
Total/NA	Analysis	8021B		1	92439	MNR	EET MID	10/03/24 14:38
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/02/24 22:13
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 00:38

Client Sample ID: BH24-12 2'
Date Collected: 09/23/24 10:55
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92348	MNR	EET MID	10/02/24 10:40
Total/NA	Analysis	8021B		1	92439	MNR	EET MID	10/03/24 14:59
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/02/24 22:30
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 00:57

Client Sample ID: BH24-12 4'
Date Collected: 09/23/24 11:00
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 01:41
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 14:56
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 21:38

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-13 0'
Date Collected: 09/24/24 11:05
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 03:05
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 15:43
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 21:43

Client Sample ID: BH24-13 2'
Date Collected: 09/24/24 11:15
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92348	MNR	EET MID	10/02/24 10:40
Total/NA	Analysis	8021B		1	92439	MNR	EET MID	10/03/24 15:20
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/02/24 22:46
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 01:03

Client Sample ID: BH24-13 4'
Date Collected: 09/24/24 11:20
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92348	MNR	EET MID	10/02/24 10:40
Total/NA	Analysis	8021B		1	92439	MNR	EET MID	10/03/24 15:40
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/02/24 23:01
Soluble	Leach	DI Leach			91980	SA	EET MID	09/27/24 16:31
Soluble	Analysis	300.0		1	92376	CH	EET MID	10/03/24 13:33

Client Sample ID: BH24-14 0'
Date Collected: 09/23/24 11:25
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 03:26
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 15:58
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 21:59

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-14 2'
Date Collected: 09/23/24 11:30
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92441	MNR	EET MID	10/03/24 08:18
Total/NA	Analysis	8021B		1	92440	MNR	EET MID	10/03/24 11:27
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/02/24 23:18
Soluble	Leach	DI Leach			91980	SA	EET MID	09/27/24 16:31
Soluble	Analysis	300.0		1	92376	CH	EET MID	10/03/24 13:38

Client Sample ID: BH24-15 0'
Date Collected: 09/24/24 11:45
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-42
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 03:46
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 16:13
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 22:05

Client Sample ID: BH24-15 2'
Date Collected: 09/23/24 11:50
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-43
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92441	MNR	EET MID	10/03/24 08:18
Total/NA	Analysis	8021B		1	92440	MNR	EET MID	10/03/24 11:48
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/02/24 23:34
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 14:30

Client Sample ID: BH24-15 4'
Date Collected: 09/23/24 11:55
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92441	MNR	EET MID	10/03/24 08:18
Total/NA	Analysis	8021B		1	92440	MNR	EET MID	10/03/24 12:08
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/03/24 00:06
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 14:43

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-16 0'
Date Collected: 09/24/24 12:00
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92441	MNR	EET MID	10/03/24 08:18
Total/NA	Analysis	8021B		1	92440	MNR	EET MID	10/03/24 12:29
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/03/24 00:23
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 14:49

Client Sample ID: BH24-16 2'
Date Collected: 09/23/24 12:05
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92441	MNR	EET MID	10/03/24 08:18
Total/NA	Analysis	8021B		1	92440	MNR	EET MID	10/03/24 12:49
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/03/24 00:39
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 07:02

Client Sample ID: BH24-16 4'
Date Collected: 09/23/24 12:10
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92441	MNR	EET MID	10/03/24 08:18
Total/NA	Analysis	8021B		1	92440	MNR	EET MID	10/03/24 13:10
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/03/24 00:55
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 07:09

Client Sample ID: BH24-17 0'
Date Collected: 09/24/24 08:00
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-48
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92441	MNR	EET MID	10/03/24 08:18
Total/NA	Analysis	8021B		1	92440	MNR	EET MID	10/03/24 13:31
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/03/24 01:13
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 07:28

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-17 2'

Lab Sample ID: 885-12721-49

Date Collected: 09/24/24 08:05

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92441	MNR	EET MID	10/03/24 08:18
Total/NA	Analysis	8021B		1	92440	MNR	EET MID	10/03/24 13:51
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/03/24 01:28
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 07:34

Client Sample ID: BH24-17 4'

Lab Sample ID: 885-12721-50

Date Collected: 09/24/24 08:10

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92441	MNR	EET MID	10/03/24 08:18
Total/NA	Analysis	8021B		1	92440	MNR	EET MID	10/03/24 14:12
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/03/24 01:44
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 07:41

Client Sample ID: BH24-18 0'

Lab Sample ID: 885-12721-51

Date Collected: 09/24/24 08:15

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92441	MNR	EET MID	10/03/24 08:18
Total/NA	Analysis	8021B		1	92440	MNR	EET MID	10/03/24 14:32
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/03/24 02:02
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 07:47

Client Sample ID: BH24-18 2'

Lab Sample ID: 885-12721-52

Date Collected: 09/24/24 08:20

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/02/24 22:18
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/03/24 02:18
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 07:54

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-18 4'
Date Collected: 09/24/24 08:25
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-53
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/02/24 22:38
Total/NA	Prep	8015NM Prep			92169	EL	EET MID	09/30/24 14:54
Total/NA	Analysis	8015B NM		1	92335	SM	EET MID	10/03/24 02:34
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 01:09

Client Sample ID: BH24-19 0'
Date Collected: 09/24/24 08:30
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-54
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 04:07
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 16:28
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 22:21

Client Sample ID: BH24-19 2'
Date Collected: 09/24/24 08:35
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-55
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 04:28
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 16:44
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 22:26

Client Sample ID: BH24-19 4'
Date Collected: 09/24/24 08:40
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-56
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 04:48
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 16:59
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 22:32

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-20 0'
Date Collected: 09/24/24 08:45
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-57
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/02/24 22:59
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/02/24 20:34
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 11:51

Client Sample ID: BH24-20 2'
Date Collected: 09/24/24 08:50
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-58
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/02/24 23:19
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/02/24 21:18
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 01:18

Client Sample ID: BH24-20 4'
Date Collected: 09/24/24 09:00
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-59
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 05:09
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 17:15
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 22:37

Client Sample ID: BH24-21 0'
Date Collected: 09/24/24 09:30
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-60
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/02/24 23:40
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/02/24 21:33
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 01:24

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-21 2'
Date Collected: 09/24/24 09:35
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-61
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 00:00
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/02/24 21:48
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 08:00

Client Sample ID: BH24-21 4'
Date Collected: 09/24/24 09:40
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-62
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 05:29
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 17:30
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 22:42

Client Sample ID: BH24-22 0'
Date Collected: 09/24/24 09:45
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-63
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 05:50
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 17:45
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 22:48

Client Sample ID: BH24-22 2'
Date Collected: 09/24/24 09:50
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-64
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92255	MNR	EET MID	10/01/24 11:06
Total/NA	Analysis	8021B		1	92216	MNR	EET MID	10/02/24 06:10
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 18:16
Soluble	Leach	DI Leach			91974	SA	EET MID	09/27/24 16:18
Soluble	Analysis	300.0		1	92262	CH	EET MID	10/01/24 22:53

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-22 4'
Date Collected: 09/24/24 09:55
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-65
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 00:20
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/02/24 22:03
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 13:07

Client Sample ID: BH24-23 0'
Date Collected: 09/24/24 10:00
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-66
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92247	MNR	EET MID	10/01/24 12:08
Total/NA	Analysis	8021B		1	92217	MNR	EET MID	10/02/24 00:54
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 18:30
Soluble	Leach	DI Leach			91975	SA	EET MID	09/27/24 16:21
Soluble	Analysis	300.0		1	92274	CH	EET MID	10/02/24 01:26

Client Sample ID: BH24-23 2'
Date Collected: 09/24/24 10:05
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-67
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92247	MNR	EET MID	10/01/24 12:08
Total/NA	Analysis	8021B		1	92217	MNR	EET MID	10/02/24 01:15
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 18:45
Soluble	Leach	DI Leach			91975	SA	EET MID	09/27/24 16:21
Soluble	Analysis	300.0		1	92274	CH	EET MID	10/02/24 01:45

Client Sample ID: BH24-23 4'
Date Collected: 09/24/24 10:10
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-68
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 00:41
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/02/24 22:18
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 13:13

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-24 0'
Date Collected: 09/25/24 08:00
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-69
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 01:01
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/02/24 22:32
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 13:32

Client Sample ID: BH24-24 2'
Date Collected: 09/25/24 08:10
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-70
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 01:22
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/02/24 22:47
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 13:39

Client Sample ID: BH24-24 4'
Date Collected: 09/25/24 08:20
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-71
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 02:44
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/02/24 23:02
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 13:45

Client Sample ID: BH24-25 0'
Date Collected: 09/25/24 08:25
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-72
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 03:05
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/02/24 23:17
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 13:51

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-25 2'
Date Collected: 09/25/24 08:30
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-73
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 03:25
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/02/24 23:47
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 13:58

Client Sample ID: BH24-25 4'
Date Collected: 09/25/24 08:35
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-74
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 03:46
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/03/24 00:02
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 14:04

Client Sample ID: BH24-26 0'
Date Collected: 09/25/24 08:40
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-75
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 04:06
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/03/24 00:19
Soluble	Leach	DI Leach			91981	SA	EET MID	09/27/24 16:33
Soluble	Analysis	300.0		1	92375	CH	EET MID	10/03/24 14:11

Client Sample ID: BH24-26 2'
Date Collected: 09/25/24 08:45
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-76
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92247	MNR	EET MID	10/01/24 12:08
Total/NA	Analysis	8021B		1	92217	MNR	EET MID	10/02/24 01:35
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 19:00
Soluble	Leach	DI Leach			91975	SA	EET MID	09/27/24 16:21
Soluble	Analysis	300.0		1	92274	CH	EET MID	10/02/24 01:51

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-26 4'
Date Collected: 09/25/24 08:50
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-77
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 04:27
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/03/24 00:34
Soluble	Leach	DI Leach			92381	SI	EET MID	10/02/24 14:03
Soluble	Analysis	300.0		1	92382	CH	EET MID	10/03/24 09:55

Client Sample ID: BH24-27 0'
Date Collected: 09/25/24 08:55
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-78
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 04:47
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/03/24 00:48
Soluble	Leach	DI Leach			92381	SI	EET MID	10/02/24 14:04
Soluble	Analysis	300.0		1	92382	CH	EET MID	10/03/24 10:15

Client Sample ID: BH24-27 2'
Date Collected: 09/25/24 09:00
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-79
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 05:07
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/03/24 01:03
Soluble	Leach	DI Leach			92381	SI	EET MID	10/02/24 14:04
Soluble	Analysis	300.0		1	92382	CH	EET MID	10/03/24 10:21

Client Sample ID: BH24-27 4'
Date Collected: 09/25/24 09:05
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-80
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92247	MNR	EET MID	10/01/24 12:08
Total/NA	Analysis	8021B		1	92217	MNR	EET MID	10/02/24 01:56
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 19:15
Soluble	Leach	DI Leach			91975	SA	EET MID	09/27/24 16:21
Soluble	Analysis	300.0		1	92274	CH	EET MID	10/02/24 01:58

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-28 0'

Lab Sample ID: 885-12721-81

Date Collected: 09/25/24 09:10

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 05:28
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/03/24 01:18
Soluble	Leach	DI Leach			92381	SI	EET MID	10/02/24 14:04
Soluble	Analysis	300.0		1	92382	CH	EET MID	10/03/24 10:27

Client Sample ID: BH24-28 2'

Lab Sample ID: 885-12721-82

Date Collected: 09/25/24 09:15

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92350	MNR	EET MID	10/02/24 10:55
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 05:48
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/03/24 01:33
Soluble	Leach	DI Leach			92381	SI	EET MID	10/02/24 14:04
Soluble	Analysis	300.0		1	92382	CH	EET MID	10/03/24 10:34

Client Sample ID: BH24-28 4'

Lab Sample ID: 885-12721-83

Date Collected: 09/25/24 09:20

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92351	MNR	EET MID	10/02/24 11:02
Total/NA	Analysis	8021B		1	92326	MNR	EET MID	10/03/24 10:51
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/03/24 01:47
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 01:34

Client Sample ID: BH24-29 0'

Lab Sample ID: 885-12721-84

Date Collected: 09/25/24 09:25

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92351	MNR	EET MID	10/02/24 11:02
Total/NA	Analysis	8021B		1	92326	MNR	EET MID	10/03/24 11:11
Total/NA	Prep	8015NM Prep			92344	EL	EET MID	10/02/24 10:33
Total/NA	Analysis	8015B NM		1	92337	TKC	EET MID	10/03/24 02:03
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 01:40

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-29 2'
Date Collected: 09/25/24 09:30
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-85
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92351	MNR	EET MID	10/02/24 11:02
Total/NA	Analysis	8021B		1	92326	MNR	EET MID	10/03/24 11:32
Total/NA	Prep	8015NM Prep			92346	EL	EET MID	10/02/24 10:37
Total/NA	Analysis	8015B NM		1	92339	TKC	EET MID	10/02/24 20:34
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 11:57

Client Sample ID: BH24-29 4'
Date Collected: 09/25/24 09:35
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-86
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92247	MNR	EET MID	10/01/24 12:08
Total/NA	Analysis	8021B		1	92217	MNR	EET MID	10/02/24 02:16
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 19:30
Soluble	Leach	DI Leach			91975	SA	EET MID	09/27/24 16:21
Soluble	Analysis	300.0		1	92274	CH	EET MID	10/02/24 02:04

Client Sample ID: BH24-30 0'
Date Collected: 09/25/24 10:00
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-87
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92351	MNR	EET MID	10/02/24 11:02
Total/NA	Analysis	8021B		1	92326	MNR	EET MID	10/03/24 11:52
Total/NA	Prep	8015NM Prep			92346	EL	EET MID	10/02/24 10:37
Total/NA	Analysis	8015B NM		1	92339	TKC	EET MID	10/02/24 21:18
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 12:22

Client Sample ID: BH24-30 2'
Date Collected: 09/25/24 10:05
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-88
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92351	MNR	EET MID	10/02/24 11:02
Total/NA	Analysis	8021B		1	92326	MNR	EET MID	10/03/24 12:13
Total/NA	Prep	8015NM Prep			92346	EL	EET MID	10/02/24 10:37
Total/NA	Analysis	8015B NM		1	92339	TKC	EET MID	10/02/24 21:33
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 02:03

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-30 4'
Date Collected: 09/25/24 10:10
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-89
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92351	MNR	EET MID	10/02/24 11:02
Total/NA	Analysis	8021B		1	92326	MNR	EET MID	10/03/24 12:33
Total/NA	Prep	8015NM Prep			92346	EL	EET MID	10/02/24 10:37
Total/NA	Analysis	8015B NM		1	92339	TKC	EET MID	10/02/24 21:48
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 02:09

Client Sample ID: BH24-31 0'
Date Collected: 09/25/24 10:15
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-90
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92247	MNR	EET MID	10/01/24 12:08
Total/NA	Analysis	8021B		1	92217	MNR	EET MID	10/02/24 02:37
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 19:45
Soluble	Leach	DI Leach			91975	SA	EET MID	09/27/24 16:21
Soluble	Analysis	300.0		1	92274	CH	EET MID	10/02/24 02:23

Client Sample ID: BH24-31 2'
Date Collected: 09/25/24 10:20
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-91
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92351	MNR	EET MID	10/02/24 11:02
Total/NA	Analysis	8021B		1	92326	MNR	EET MID	10/03/24 12:54
Total/NA	Prep	8015NM Prep			92346	EL	EET MID	10/02/24 10:37
Total/NA	Analysis	8015B NM		1	92339	TKC	EET MID	10/02/24 22:03
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 02:16

Client Sample ID: BH24-31 4'
Date Collected: 09/25/24 10:25
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-92
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92247	MNR	EET MID	10/01/24 12:08
Total/NA	Analysis	8021B		1	92217	MNR	EET MID	10/02/24 02:57
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 20:00
Soluble	Leach	DI Leach			91975	SA	EET MID	09/27/24 16:21
Soluble	Analysis	300.0		1	92274	CH	EET MID	10/02/24 02:30

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-32 0'
Date Collected: 09/25/24 11:00
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-93
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92351	MNR	EET MID	10/02/24 11:02
Total/NA	Analysis	8021B		1	92326	MNR	EET MID	10/03/24 13:14
Total/NA	Prep	8015NM Prep			92346	EL	EET MID	10/02/24 10:37
Total/NA	Analysis	8015B NM		1	92339	TKC	EET MID	10/02/24 22:18
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		10	92357	CH	EET MID	10/03/24 12:28

Client Sample ID: BH24-32 2'
Date Collected: 09/25/24 11:05
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-94
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92247	MNR	EET MID	10/01/24 12:08
Total/NA	Analysis	8021B		1	92217	MNR	EET MID	10/02/24 03:18
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 20:14
Soluble	Leach	DI Leach			91975	SA	EET MID	09/27/24 16:21
Soluble	Analysis	300.0		1	92274	CH	EET MID	10/02/24 08:35

Client Sample ID: BH24-32 4'
Date Collected: 09/25/24 11:10
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-95
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92351	MNR	EET MID	10/02/24 11:02
Total/NA	Analysis	8021B		1	92326	MNR	EET MID	10/03/24 13:34
Total/NA	Prep	8015NM Prep			92346	EL	EET MID	10/02/24 10:37
Total/NA	Analysis	8015B NM		1	92339	TKC	EET MID	10/02/24 22:32
Soluble	Leach	DI Leach			91977	SA	EET MID	09/27/24 16:25
Soluble	Analysis	300.0		1	92357	CH	EET MID	10/03/24 12:34

Client Sample ID: BH24-33 0'
Date Collected: 09/25/24 11:15
Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-96
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92351	MNR	EET MID	10/02/24 11:02
Total/NA	Analysis	8021B		1	92326	MNR	EET MID	10/03/24 13:55
Total/NA	Prep	8015NM Prep			92346	EL	EET MID	10/02/24 10:37
Total/NA	Analysis	8015B NM		1	92339	TKC	EET MID	10/02/24 22:47
Soluble	Leach	DI Leach			91978	SA	EET MID	09/27/24 16:27
Soluble	Analysis	300.0		1	92358	CH	EET MID	10/02/24 22:31

Lab Chronicle

Client: Vertex

Job ID: 885-12721-1

Project/Site: Sand Point Reclamation Facility

Client Sample ID: BH24-33 2'

Lab Sample ID: 885-12721-97

Date Collected: 09/25/24 11:20

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92406	MNR	EET MID	10/02/24 16:17
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 10:06
Total/NA	Prep	8015NM Prep			92346	EL	EET MID	10/02/24 10:37
Total/NA	Analysis	8015B NM		1	92339	TKC	EET MID	10/02/24 23:02
Soluble	Leach	DI Leach			91978	SA	EET MID	09/27/24 16:27
Soluble	Analysis	300.0		1	92358	CH	EET MID	10/02/24 22:48

Client Sample ID: BH24-33 4'

Lab Sample ID: 885-12721-98

Date Collected: 09/25/24 11:25

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92406	MNR	EET MID	10/02/24 16:17
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 10:27
Total/NA	Prep	8015NM Prep			92130	EL	EET MID	09/30/24 12:07
Total/NA	Analysis	8015B NM		1	92281	TKC	EET MID	10/01/24 20:28
Soluble	Leach	DI Leach			91975	SA	EET MID	09/27/24 16:21
Soluble	Analysis	300.0		1	92274	CH	EET MID	10/02/24 02:38

Client Sample ID: BH24-34 0'

Lab Sample ID: 885-12721-99

Date Collected: 09/25/24 11:30

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92406	MNR	EET MID	10/02/24 16:17
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 10:47
Total/NA	Prep	8015NM Prep			92131	EL	EET MID	09/30/24 12:10
Total/NA	Analysis	8015B NM		1	92279	TKC	EET MID	10/01/24 14:56
Soluble	Leach	DI Leach			91975	SA	EET MID	09/27/24 16:21
Soluble	Analysis	300.0		1	92274	CH	EET MID	10/02/24 02:44

Client Sample ID: BH24-34 2'

Lab Sample ID: 885-12721-100

Date Collected: 09/25/24 11:35

Matrix: Solid

Date Received: 09/27/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92406	MNR	EET MID	10/02/24 16:17
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 11:08
Total/NA	Prep	8015NM Prep			92131	EL	EET MID	09/30/24 12:10
Total/NA	Analysis	8015B NM		1	92279	TKC	EET MID	10/01/24 15:43
Soluble	Leach	DI Leach			91975	SA	EET MID	09/27/24 16:21
Soluble	Analysis	300.0		1	92274	CH	EET MID	10/02/24 02:50

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Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

Client Sample ID: BH24-34 4'

Date Collected: 09/25/24 11:40

Date Received: 09/27/24 08:00

Lab Sample ID: 885-12721-101

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			92406	MNR	EET MID	10/02/24 16:17
Total/NA	Analysis	8021B		1	92318	MNR	EET MID	10/03/24 11:53
Total/NA	Prep	8015NM Prep			92346	EL	EET MID	10/02/24 10:37
Total/NA	Analysis	8015B NM		1	92339	TKC	EET MID	10/02/24 23:17
Soluble	Leach	DI Leach			91978	SA	EET MID	09/27/24 16:27
Soluble	Analysis	300.0		1	92358	CH	EET MID	10/02/24 22:53

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

Accreditation/Certification Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 885-12721-1

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	06-30-25

1
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11

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Tel. 505-345-3975 Fax 505-345-4107

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY





Tel. 505-345-3975 Fax 505-345-4107

[illegible]

Age Group	Number of People
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Tel. 505-345-3975 Fax 505-345-4107

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time	Remarks: CC: Chad Hensley Chensley@vertexresource.com John Rewis jrewis@vertexresource.com for Final Report.
09.26.24	0800				9/26/24	0800	
Date:	Time:	Relinquished by:	Received by:	Via: causer	Date	Time	
9/26/24	1900				9/27/24	8:00	

Age Group	Number of People
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11

www.hallenvironmental.com

Tel. 505-345-3975 Fax 505-345-4107

Turn-Around Time:

Project Name:

Project #:	
------------	--

Project Manager:

Chad Hensley

Chensley@vertexresource.com

Sampler: J. Rewis

On Ice: ☒ Yes ☐ No

of Coolers: 3

Cooler Temp (including CF): reference pg. 1

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Client: **Vertex**

Turn-Around Time:

☒ Standard ☒ Rush 5 Day

Project Name:

Mailing Address 3101 Boyd Dr, Carlsbad, NM

Sand Point Reclamation Facility

Project #:

Phone #:

24E-04209

email or Fax#:

Project Manager:

QA/QC Package:

Chad Hensley

☐ Standard ☐ Level 4 (Full Validation)

Chensley@vertexresource.com

Accreditation: ☐ Az Compliance

Sampler: J. Rewis

☐ NELAC ☐ Other _____

On Ice: ☒ Yes ☐ No

☐ EDD (Type) _____

of Coolers: 3

Cooler Temp (including CF):	Reference 1 st page
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Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
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9.25.24	11:00	Soil	BH24-32 0'	4oz Jar	ICE	93
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9.25.24	11:05	Soil	BH24-32 2'	4oz Jar	ICE	94
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9.25.24	11:10	Soil	BH24-32 4'	4oz Jar	ICE	95
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9.25.24	11:15	Soil	BH24-33 0'	4oz Jar	ICE	96
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9.25.24	11:20	Soil	BH24-33 2'	4oz Jar	ICE	93
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9.25.24	11:25	Soil	BH24-33 4'	4oz Jar	ICE	98
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9.25.24	11:30	Soil	BH24-34 0'	4oz Jar	ICE	99
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9.25.24	11:35	Soil	BH24-34 2'	4oz Jar	ICE	100
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9.25.24	11:40	Soil	BH24-34 4'	4oz Jar	ICE	101
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Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9.26.24	08:00				9/26/24	08:00

Date:	Time:	Relinquished by:	Received by:	Via: <u>COUNCIL</u>	Date	Time
<u>1/10/02</u>	<u>19:00</u>	<u>CA</u>			<u>21/11/04</u>	<u>8:00</u>

Remarks:
CC: Chad Hensley Chensley@vertexresource.com
John Rewis jrewis@vertexresource.com for Final Report.



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

[illegible]

Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-12721-1

Login Number: 12721

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
Radioactivity wasn't checked or is <= background as measured by a survey meter.	True	
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.	False	IDs on containers do not match the COC. Logged in per COC.
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-12721-1

Login Number: 12721

List Number: 2

Creator: Vasquez, Julisa

List Source: Eurofins Midland

List Creation: 10/01/24 11:10 AM

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	

Login Sample Receipt Checklist

Client: Vertex

Job Number: 885-12721-1

Login Number: 12721

List Number: 3

Creator: Vasquez, Julisa

List Source: Eurofins Midland

List Creation: 10/02/24 10:19 AM

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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Chad Hensley
Vertex
3101 Boyd Dr
Carlsbad, New Mexico 88220

Generated 10/8/2024 2:29:43 PM

JOB DESCRIPTION

Sand Point Reclamation Facility
24 E - 04209

JOB NUMBER

890-7172-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



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
10/8/2024 2:29:43 PM

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

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Laboratory Job ID: 890-7172-1
SDG: 24 E - 04209

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Definitions/Glossary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

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
SQL	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: Vertex
Project: Sand Point Reclamation Facility

Job ID: 890-7172-1

Job ID: 890-7172-1

Eurofins Carlsbad

Job Narrative
890-7172-1

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 and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided 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 9/27/2024 12:52 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 5.8°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH 24 - 35 0' (890-7172-1), BH 24 - 35 2' (890-7172-2), BH 24 - 35 4' (890-7172-3), BH 24 - 36 0' (890-7172-4), BH 24 - 36 2' (890-7172-5), BH 24 - 37 0' (890-7172-6), BH 24 - 37 2' (890-7172-7), BH 24 - 38 0' (890-7172-8), BH 24 - 38 2' (890-7172-9), BH 24 - 39 0' (890-7172-10), BH 24 - 39 2' (890-7172-11), BH 24 - 39 4' (890-7172-12), BH 24 - 40 0' (890-7172-13), BH 24 - 40 2' (890-7172-14), BH 24 - 40 4' (890-7172-15), BH 24 - 41 0' (890-7172-16), BH 24 - 41 2' (890-7172-17), BH 24 - 42 0' (890-7172-18), BH 24 - 43 0' (890-7172-19) and BH 24 - 43 2' (890-7172-20).

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-92120 and analytical batch 880-92039 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH 24 - 41 2' (890-7172-17) and BH 24 - 42 0' (890-7172-18). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-91951 and analytical batch 880-92039 was outside the upper control limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-92237 and analytical batch 880-92217 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH 24 - 36 2' (890-7172-5), BH 24 - 39 2' (890-7172-11), BH 24 - 39 4' (890-7172-12), BH 24 - 40 0' (890-7172-13) and BH 24 - 40 2' (890-7172-14). Evidence of matrix interferences is not obvious.

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

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-92048 and analytical batch 880-92175 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-92048/2-A). Percent recoveries are based on the amount spiked.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCSD 880-92048/3-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-92047 and analytical batch 880-92175 was outside the upper control limits.

Method 8015MOD_NM: The closing continuing calibration verification (CCVC) associated with batch 880-92175 recovered above

Eurofins Carlsbad

Case Narrative

Client: Vertex
Project: Sand Point Reclamation Facility

Job ID: 890-7172-1

Job ID: 890-7172-1 (Continued) **Eurofins Carlsbad**

the upper control limit for Gasoline Range Organics (GRO)-C6-C10. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

HPLC/IC

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

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 35 0'

Lab Sample ID: 890-7172-1

Date Collected: 09/26/24 08:30

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 13:59	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 13:59	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 13:59	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 13:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130			10/01/24 10:10	10/01/24 13:59	1
1,4-Difluorobenzene (Surr)	105		70 - 130			10/01/24 10:10	10/01/24 13:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 13:59	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/01/24 22:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/01/24 22:34	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/01/24 22:34	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/01/24 22:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			09/29/24 20:56	10/01/24 22:34	1
o-Terphenyl	76		70 - 130			09/29/24 20:56	10/01/24 22:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1700		25	mg/Kg			10/02/24 01:46	5

Client Sample ID: BH 24 - 35 2'

Lab Sample ID: 890-7172-2

Date Collected: 09/26/24 08:40

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 14:19	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 14:19	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 14:19	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 14:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130			10/01/24 10:10	10/01/24 14:19	1
1,4-Difluorobenzene (Surr)	105		70 - 130			10/01/24 10:10	10/01/24 14:19	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 14:19	1

Eurofins Carlsbad

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 35 2'

Lab Sample ID: 890-7172-2

Date Collected: 09/26/24 08:40

Matrix: Solid

Date Received: 09/27/24 12:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/01/24 22:51	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/01/24 22:51	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/01/24 22:51	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/01/24 22:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130			09/29/24 20:56	10/01/24 22:51	1
o-Terphenyl	79		70 - 130			09/29/24 20:56	10/01/24 22:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		5.0	mg/Kg			10/02/24 01:52	1

Client Sample ID: BH 24 - 35 4'

Lab Sample ID: 890-7172-3

Date Collected: 09/26/24 08:50

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 14:40	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 14:40	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 14:40	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 14:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130			10/01/24 10:10	10/01/24 14:40	1
1,4-Difluorobenzene (Surr)	109		70 - 130			10/01/24 10:10	10/01/24 14:40	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 14:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/01/24 23:07	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/01/24 23:07	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/01/24 23:07	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/01/24 23:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130			09/29/24 20:56	10/01/24 23:07	1
o-Terphenyl	75		70 - 130			09/29/24 20:56	10/01/24 23:07	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 35 4'

Lab Sample ID: 890-7172-3

Date Collected: 09/26/24 08:50

Matrix: Solid

Date Received: 09/27/24 12:52

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		5.0	mg/Kg			10/02/24 01:57	1

Client Sample ID: BH 24 - 36 0'

Lab Sample ID: 890-7172-4

Date Collected: 09/26/24 09:00

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 15:00	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 15:00	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 15:00	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	10/01/24 10:10	10/01/24 15:00	1
1,4-Difluorobenzene (Surr)	114		70 - 130	10/01/24 10:10	10/01/24 15:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 15:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/01/24 23:23	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/01/24 23:23	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/01/24 23:23	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/01/24 23:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	09/29/24 20:56	10/01/24 23:23	1
o-Terphenyl	87		70 - 130	09/29/24 20:56	10/01/24 23:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9800		100	mg/Kg			10/02/24 02:02	20

Client Sample ID: BH 24 - 36 2'

Lab Sample ID: 890-7172-5

Date Collected: 09/26/24 09:10

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 15:21	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 15:21	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 15:21	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 15:21	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 36 2'

Lab Sample ID: 890-7172-5

Date Collected: 09/26/24 09:10

Matrix: Solid

Date Received: 09/27/24 12:52

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130	10/01/24 10:10	10/01/24 15:21	1
1,4-Difluorobenzene (Surr)	110		70 - 130	10/01/24 10:10	10/01/24 15:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 15:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/01/24 23:40	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/01/24 23:40	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/01/24 23:40	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/01/24 23:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130			09/29/24 20:56	10/01/24 23:40	1
o-Terphenyl	89		70 - 130			09/29/24 20:56	10/01/24 23:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2200		25	mg/Kg			10/03/24 02:02	5

Client Sample ID: BH 24 - 37 0'

Lab Sample ID: 890-7172-6

Date Collected: 09/26/24 09:20

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 15:41	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 15:41	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 15:41	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 15:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	10/01/24 10:10	10/01/24 15:41	1
1,4-Difluorobenzene (Surr)	105		70 - 130	10/01/24 10:10	10/01/24 15:41	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 15:41	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/01/24 23:55	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 37 0'

Lab Sample ID: 890-7172-6

Date Collected: 09/26/24 09:20

Matrix: Solid

Date Received: 09/27/24 12:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/01/24 23:55	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/01/24 23:55	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/01/24 23:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130			09/29/24 20:56	10/01/24 23:55	1
o-Terphenyl	80		70 - 130			09/29/24 20:56	10/01/24 23:55	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		5.0	mg/Kg			10/03/24 02:08	1

Client Sample ID: BH 24 - 37 2'

Lab Sample ID: 890-7172-7

Date Collected: 09/26/24 09:30

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 17:31	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 17:31	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 17:31	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 17:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130			10/01/24 10:10	10/01/24 17:31	1
1,4-Difluorobenzene (Surr)	104		70 - 130			10/01/24 10:10	10/01/24 17:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 17:31	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/02/24 00:27	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/02/24 00:27	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 00:27	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 00:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			09/29/24 20:56	10/02/24 00:27	1
o-Terphenyl	82		70 - 130			09/29/24 20:56	10/02/24 00:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		5.0	mg/Kg			10/03/24 02:13	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 38 0'

Lab Sample ID: 890-7172-8

Date Collected: 09/26/24 09:40

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 17:52	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 17:52	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 17:52	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 17:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130			10/01/24 10:10	10/01/24 17:52	1
1,4-Difluorobenzene (Surr)	112		70 - 130			10/01/24 10:10	10/01/24 17:52	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 17:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/02/24 00:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/02/24 00:43	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 00:43	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 00:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130			09/29/24 20:56	10/02/24 00:43	1
o-Terphenyl	84		70 - 130			09/29/24 20:56	10/02/24 00:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		5.0	mg/Kg			10/03/24 02:29	1

Client Sample ID: BH 24 - 38 2'

Lab Sample ID: 890-7172-9

Date Collected: 09/26/24 09:50

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 18:12	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 18:12	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 18:12	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 18:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130			10/01/24 10:10	10/01/24 18:12	1
1,4-Difluorobenzene (Surr)	117		70 - 130			10/01/24 10:10	10/01/24 18:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 18:12	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 38 2'

Lab Sample ID: 890-7172-9

Date Collected: 09/26/24 09:50

Matrix: Solid

Date Received: 09/27/24 12:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/02/24 01:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/02/24 01:00	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 01:00	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 01:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130			09/29/24 20:56	10/02/24 01:00	1
o-Terphenyl	74		70 - 130			09/29/24 20:56	10/02/24 01:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23		5.0	mg/Kg			10/03/24 02:35	1

Client Sample ID: BH 24 - 39 0'

Lab Sample ID: 890-7172-10

Date Collected: 09/26/24 10:00

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 18:33	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 18:33	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 18:33	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 18:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130			10/01/24 10:10	10/01/24 18:33	1
1,4-Difluorobenzene (Surr)	116		70 - 130			10/01/24 10:10	10/01/24 18:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 18:33	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/02/24 01:16	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/02/24 01:16	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 01:16	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 01:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			09/29/24 20:56	10/02/24 01:16	1
o-Terphenyl	86		70 - 130			09/29/24 20:56	10/02/24 01:16	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 39 0'

Lab Sample ID: 890-7172-10

Date Collected: 09/26/24 10:00

Matrix: Solid

Date Received: 09/27/24 12:52

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.8		5.0	mg/Kg			10/03/24 02:40	1

Client Sample ID: BH 24 - 39 2'

Lab Sample ID: 890-7172-11

Date Collected: 09/26/24 10:10

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 18:53	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 18:53	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 18:53	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 18:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	133	S1+	70 - 130			10/01/24 10:10	10/01/24 18:53	1
1,4-Difluorobenzene (Surr)	118		70 - 130			10/01/24 10:10	10/01/24 18:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 18:53	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/02/24 01:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/02/24 01:32	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 01:32	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 01:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130			09/29/24 20:56	10/02/24 01:32	1
o-Terphenyl	84		70 - 130			09/29/24 20:56	10/02/24 01:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	22		5.1	mg/Kg			10/03/24 02:46	1

Client Sample ID: BH 24 - 39 4'

Lab Sample ID: 890-7172-12

Date Collected: 09/26/24 10:20

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 19:14	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 19:14	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 19:14	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 19:14	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 39 4'

Lab Sample ID: 890-7172-12

Date Collected: 09/26/24 10:20

Matrix: Solid

Date Received: 09/27/24 12:52

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	135	S1+	70 - 130	10/01/24 10:10	10/01/24 19:14	1
1,4-Difluorobenzene (Surr)	114		70 - 130	10/01/24 10:10	10/01/24 19:14	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 19:14	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/02/24 01:48	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/02/24 01:48	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 01:48	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 01:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130			09/29/24 20:56	10/02/24 01:48	1
o-Terphenyl	82		70 - 130			09/29/24 20:56	10/02/24 01:48	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	37		5.0	mg/Kg			10/03/24 02:51	1

Client Sample ID: BH 24 - 40 0'

Lab Sample ID: 890-7172-13

Date Collected: 09/26/24 10:40

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 19:34	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 19:34	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 19:34	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 19:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	134	S1+	70 - 130	10/01/24 10:10	10/01/24 19:34	1
1,4-Difluorobenzene (Surr)	113		70 - 130	10/01/24 10:10	10/01/24 19:34	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 19:34	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/02/24 02:05	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 40 0'

Lab Sample ID: 890-7172-13

Date Collected: 09/26/24 10:40

Matrix: Solid

Date Received: 09/27/24 12:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/02/24 02:05	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 02:05	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 02:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130			09/29/24 20:56	10/02/24 02:05	1
o-Terphenyl	77		70 - 130			09/29/24 20:56	10/02/24 02:05	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	46		5.0	mg/Kg			10/03/24 02:56	1

Client Sample ID: BH 24 - 40 2'

Lab Sample ID: 890-7172-14

Date Collected: 09/26/24 10:50

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 19:54	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 19:54	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 19:54	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 19:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130			10/01/24 10:10	10/01/24 19:54	1
1,4-Difluorobenzene (Surr)	111		70 - 130			10/01/24 10:10	10/01/24 19:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 19:54	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/02/24 02:20	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/02/24 02:20	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 02:20	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 02:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			09/29/24 20:56	10/02/24 02:20	1
o-Terphenyl	81		70 - 130			09/29/24 20:56	10/02/24 02:20	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.0		5.0	mg/Kg			10/03/24 03:13	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 40 4'

Lab Sample ID: 890-7172-15

Date Collected: 09/26/24 11:00

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 20:15	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 20:15	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 20:15	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 20:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130			10/01/24 10:10	10/01/24 20:15	1
1,4-Difluorobenzene (Surr)	115		70 - 130			10/01/24 10:10	10/01/24 20:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 20:15	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/02/24 02:37	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/02/24 02:37	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 02:37	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 02:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130			09/29/24 20:56	10/02/24 02:37	1
o-Terphenyl	82		70 - 130			09/29/24 20:56	10/02/24 02:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90		5.0	mg/Kg			10/03/24 03:18	1

Client Sample ID: BH 24 - 41 0'

Lab Sample ID: 890-7172-16

Date Collected: 09/26/24 11:10

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 20:35	1
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 20:35	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 20:35	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 20:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130			10/01/24 10:10	10/01/24 20:35	1
1,4-Difluorobenzene (Surr)	114		70 - 130			10/01/24 10:10	10/01/24 20:35	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 20:35	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 41 0'

Lab Sample ID: 890-7172-16

Date Collected: 09/26/24 11:10

Matrix: Solid

Date Received: 09/27/24 12:52

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/02/24 02:52	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/02/24 02:52	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 02:52	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/02/24 02:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130			09/29/24 20:56	10/02/24 02:52	1
o-Terphenyl	76		70 - 130			09/29/24 20:56	10/02/24 02:52	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	510		5.1	mg/Kg			10/03/24 03:34	1

Client Sample ID: BH 24 - 41 2'

Lab Sample ID: 890-7172-17

Date Collected: 09/26/24 11:20

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 03:12	1
Toluene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 03:12	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 03:12	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		09/30/24 11:16	10/01/24 03:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130			09/30/24 11:16	10/01/24 03:12	1
1,4-Difluorobenzene (Surr)	116		70 - 130			09/30/24 11:16	10/01/24 03:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 03:12	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/01/24 12:43	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:59	10/01/24 12:43	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:59	10/01/24 12:43	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:59	10/01/24 12:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130			09/29/24 20:59	10/01/24 12:43	1
o-Terphenyl	88		70 - 130			09/29/24 20:59	10/01/24 12:43	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 41 2'

Lab Sample ID: 890-7172-17

Date Collected: 09/26/24 11:20

Matrix: Solid

Date Received: 09/27/24 12:52

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	580		5.0	mg/Kg			10/03/24 09:12	1

Client Sample ID: BH 24 - 42 0'

Lab Sample ID: 890-7172-18

Date Collected: 09/26/24 11:30

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 03:32	1
Toluene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 03:32	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 03:32	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		09/30/24 11:16	10/01/24 03:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130	09/30/24 11:16	10/01/24 03:32	1
1,4-Difluorobenzene (Surr)	123		70 - 130	09/30/24 11:16	10/01/24 03:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 03:32	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/01/24 15:28	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:59	10/01/24 15:28	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:59	10/01/24 15:28	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:59	10/01/24 15:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	09/29/24 20:59	10/01/24 15:28	1
o-Terphenyl	88		70 - 130	09/29/24 20:59	10/01/24 15:28	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		5.0	mg/Kg			10/03/24 03:41	1

Client Sample ID: BH 24 - 43 0'

Lab Sample ID: 890-7172-19

Date Collected: 09/26/24 11:40

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 05:21	1
Toluene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 05:21	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 05:21	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		09/30/24 11:16	10/01/24 05:21	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 43 0'

Lab Sample ID: 890-7172-19

Date Collected: 09/26/24 11:40

Matrix: Solid

Date Received: 09/27/24 12:52

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	09/30/24 11:16	10/01/24 05:21	1
1,4-Difluorobenzene (Surr)	112		70 - 130	09/30/24 11:16	10/01/24 05:21	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 05:21	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/01/24 15:46	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:59	10/01/24 15:46	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:59	10/01/24 15:46	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:59	10/01/24 15:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130			09/29/24 20:59	10/01/24 15:46	1
o-Terphenyl	93		70 - 130			09/29/24 20:59	10/01/24 15:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		5.0	mg/Kg			10/03/24 09:17	1

Client Sample ID: BH 24 - 43 2'

Lab Sample ID: 890-7172-20

Date Collected: 09/26/24 11:50

Matrix: Solid

Date Received: 09/27/24 12:52

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 05:42	1
Toluene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 05:42	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 05:42	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		09/30/24 11:16	10/01/24 05:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	09/30/24 11:16	10/01/24 05:42	1
1,4-Difluorobenzene (Surr)	107		70 - 130	09/30/24 11:16	10/01/24 05:42	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.0040		0.0040	mg/Kg			10/01/24 05:42	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50		50	mg/Kg			10/01/24 16:22	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 43 2'
Date Collected: 09/26/24 11:50
Date Received: 09/27/24 12:52

Lab Sample ID: 890-7172-20
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:59	10/01/24 16:22	1	
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:59	10/01/24 16:22	1	
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:59	10/01/24 16:22	1	
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac	
1-Chlorooctane	119		70 - 130			09/29/24 20:59	10/01/24 16:22	1	
o-Terphenyl	93		70 - 130			09/29/24 20:59	10/01/24 16:22	1	

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	37		5.1	mg/Kg			10/03/24 03:47	1	

Surrogate Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-7172-1	BH 24 - 35 0'	118	105
890-7172-2	BH 24 - 35 2'	115	105
890-7172-3	BH 24 - 35 4'	123	109
890-7172-4	BH 24 - 36 0'	130	114
890-7172-5	BH 24 - 36 2'	131 S1+	110
890-7172-6	BH 24 - 37 0'	125	105
890-7172-7	BH 24 - 37 2'	103	104
890-7172-8	BH 24 - 38 0'	121	112
890-7172-9	BH 24 - 38 2'	124	117
890-7172-10	BH 24 - 39 0'	128	116
890-7172-11	BH 24 - 39 2'	133 S1+	118
890-7172-12	BH 24 - 39 4'	135 S1+	114
890-7172-13	BH 24 - 40 0'	134 S1+	113
890-7172-14	BH 24 - 40 2'	131 S1+	111
890-7172-15	BH 24 - 40 4'	130	115
890-7172-16	BH 24 - 41 0'	128	114
890-7172-17	BH 24 - 41 2'	147 S1+	116
890-7172-18	BH 24 - 42 0'	141 S1+	123
890-7172-19	BH 24 - 43 0'	111	112
890-7172-20	BH 24 - 43 2'	119	107
LCS 880-92120/1-A	Lab Control Sample	119	98
LCS 880-92237/1-A	Lab Control Sample	114	97
LCSD 880-92120/2-A	Lab Control Sample Dup	116	97
LCSD 880-92237/2-A	Lab Control Sample Dup	114	97
MB 880-91951/5-A	Method Blank	262 S1+	162 S1+
MB 880-92120/5-A	Method Blank	142 S1+	86
MB 880-92237/5-A	Method Blank	138 S1+	89
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7172-1	BH 24 - 35 0'	97	76
890-7172-2	BH 24 - 35 2'	102	79
890-7172-3	BH 24 - 35 4'	96	75
890-7172-4	BH 24 - 36 0'	110	87
890-7172-5	BH 24 - 36 2'	114	89
890-7172-6	BH 24 - 37 0'	104	80
890-7172-7	BH 24 - 37 2'	106	82
890-7172-8	BH 24 - 38 0'	108	84
890-7172-9	BH 24 - 38 2'	97	74
890-7172-10	BH 24 - 39 0'	110	86
890-7172-11	BH 24 - 39 2'	108	84
890-7172-12	BH 24 - 39 4'	102	82

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Surrogate Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-7172-13	BH 24 - 40 0'	101	77
890-7172-14	BH 24 - 40 2'	106	81
890-7172-15	BH 24 - 40 4'	108	82
890-7172-16	BH 24 - 41 0'	98	76
890-7172-17	BH 24 - 41 2'	110	88
890-7172-17 MS	BH 24 - 41 2'	113	101
890-7172-17 MSD	BH 24 - 41 2'	111	99
890-7172-18	BH 24 - 42 0'	113	88
890-7172-19	BH 24 - 43 0'	121	93
890-7172-20	BH 24 - 43 2'	119	93
LCS 880-92047/2-A	Lab Control Sample	123	110
LCS 880-92048/2-A	Lab Control Sample	146 S1+	133 S1+
LCSD 880-92047/3-A	Lab Control Sample Dup	129	116
LCSD 880-92048/3-A	Lab Control Sample Dup	134 S1+	119
MB 880-92047/1-A	Method Blank	106	135 S1+
MB 880-92048/1-A	Method Blank	133 S1+	212 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

QC Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-91951/5-A

Matrix: Solid

Analysis Batch: 92039

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 91951

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		09/27/24 14:56	09/30/24 12:26	1
Toluene	<0.0020		0.0020	mg/Kg		09/27/24 14:56	09/30/24 12:26	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		09/27/24 14:56	09/30/24 12:26	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		09/27/24 14:56	09/30/24 12:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	262	S1+	70 - 130	09/27/24 14:56	09/30/24 12:26	1
1,4-Difluorobenzene (Surr)	162	S1+	70 - 130	09/27/24 14:56	09/30/24 12:26	1

Lab Sample ID: MB 880-92120/5-A

Matrix: Solid

Analysis Batch: 92039

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92120

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 00:00	1
Toluene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 00:00	1
Ethylbenzene	<0.0020		0.0020	mg/Kg		09/30/24 11:16	10/01/24 00:00	1
Xylenes, Total	<0.0040		0.0040	mg/Kg		09/30/24 11:16	10/01/24 00:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	09/30/24 11:16	10/01/24 00:00	1
1,4-Difluorobenzene (Surr)	86		70 - 130	09/30/24 11:16	10/01/24 00:00	1

Lab Sample ID: LCS 880-92120/1-A

Matrix: Solid

Analysis Batch: 92039

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92120

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.0876		mg/Kg		88	70 - 130
Toluene	0.100	0.0827		mg/Kg		83	70 - 130
Ethylbenzene	0.100	0.106		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	0.200	0.236		mg/Kg		118	70 - 130
o-Xylene	0.100	0.109		mg/Kg		109	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	119		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-92120/2-A

Matrix: Solid

Analysis Batch: 92039

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92120

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.0937		mg/Kg		94	70 - 130	7	35
Toluene	0.100	0.0817		mg/Kg		82	70 - 130	1	35
Ethylbenzene	0.100	0.0893		mg/Kg		89	70 - 130	18	35
m-Xylene & p-Xylene	0.200	0.203		mg/Kg		102	70 - 130	15	35
o-Xylene	0.100	0.104		mg/Kg		104	70 - 130	5	35

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QC Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

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

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-92237/5-A
Matrix: Solid
Analysis Batch: 92217

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 92237

Analyte	MB	MB							
	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil	Fac
Benzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 12:08	1	
Toluene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 12:08	1	
Ethylbenzene	<0.0020		0.0020	mg/Kg		10/01/24 10:10	10/01/24 12:08	1	
Xylenes, Total	<0.0040		0.0040	mg/Kg		10/01/24 10:10	10/01/24 12:08	1	

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac		
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	10/01/24 10:10	10/01/24 12:08	1			
1,4-Difluorobenzene (Surr)	89		70 - 130	10/01/24 10:10	10/01/24 12:08	1			

Lab Sample ID: LCS 880-92237/1-A
Matrix: Solid
Analysis Batch: 92217

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 92237

Analyte	Spike	LCS	LCS					%Rec	
	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Benzene	0.100	0.0934		mg/Kg		93	70 - 130		
Toluene	0.100	0.0849		mg/Kg		85	70 - 130		
Ethylbenzene	0.100	0.0970		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene	0.200	0.192		mg/Kg		96	70 - 130		
o-Xylene	0.100	0.0992		mg/Kg		99	70 - 130		

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-92237/2-A
Matrix: Solid
Analysis Batch: 92217

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 92237

Analyte	Spike	LCSD	LCSD					%Rec		RPD	
	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit		
Benzene	0.100	0.0892		mg/Kg		89	70 - 130	5	35		
Toluene	0.100	0.0880		mg/Kg		88	70 - 130	4	35		
Ethylbenzene	0.100	0.0962		mg/Kg		96	70 - 130	1	35		
m-Xylene & p-Xylene	0.200	0.186		mg/Kg		93	70 - 130	4	35		
o-Xylene	0.100	0.0981		mg/Kg		98	70 - 130	1	35		

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

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QC Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

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

Lab Sample ID: MB 880-92047/1-A

Matrix: Solid

Analysis Batch: 92175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92047

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:56	10/01/24 20:10	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:56	10/01/24 20:10	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:56	10/01/24 20:10	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130			09/29/24 20:56	10/01/24 20:10	1
o-Terphenyl	135	S1+	70 - 130			09/29/24 20:56	10/01/24 20:10	1

Lab Sample ID: LCS 880-92047/2-A

Matrix: Solid

Analysis Batch: 92175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92047

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1090		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	1000	900		mg/Kg		90	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1-Chlorooctane	123		70 - 130				
o-Terphenyl	110		70 - 130				

Lab Sample ID: LCSD 880-92047/3-A

Matrix: Solid

Analysis Batch: 92175

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92047

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1140		mg/Kg		114	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	989		mg/Kg		99	70 - 130	9	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1-Chlorooctane	129		70 - 130						
o-Terphenyl	116		70 - 130						

Lab Sample ID: MB 880-92048/1-A

Matrix: Solid

Analysis Batch: 92175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92048

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50		50	mg/Kg		09/29/24 20:59	10/01/24 10:31	1
Diesel Range Organics (Over C10-C28)	<50		50	mg/Kg		09/29/24 20:59	10/01/24 10:31	1
Oil Range Organics (Over C28-C36)	<50		50	mg/Kg		09/29/24 20:59	10/01/24 10:31	1

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QC Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

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

Lab Sample ID: MB 880-92048/1-A

Matrix: Solid

Analysis Batch: 92175

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 92048

	MB	MB								
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil	Fac			
1-Chlorooctane	133	S1+	70 - 130	09/29/24 20:59	10/01/24 10:31	1				
o-Terphenyl	212	S1+	70 - 130	09/29/24 20:59	10/01/24 10:31	1				

Lab Sample ID: LCS 880-92048/2-A

Matrix: Solid

Analysis Batch: 92175

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 92048

			Spike	LCS	LCS				%Rec		
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1230		mg/Kg		123	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1120		mg/Kg		112	70 - 130		
Surrogate	LCS	LCS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	146	S1+	70 - 130								
o-Terphenyl	133	S1+	70 - 130								

Lab Sample ID: LCSD 880-92048/3-A

Matrix: Solid

Analysis Batch: 92175

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 92048

			Spike	LCSD	LCSD				%Rec			RPD
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics (GRO)-C6-C10			1000	1200		mg/Kg		120	70 - 130	2	20	
Diesel Range Organics (Over C10-C28)			1000	1000		mg/Kg		100	70 - 130	11	20	
Surrogate	LCSD	LCSD										
	%Recovery	Qualifier	Limits									
1-Chlorooctane	134	S1+	70 - 130									
o-Terphenyl	119		70 - 130									

Lab Sample ID: 890-7172-17 MS

Matrix: Solid

Analysis Batch: 92175

Client Sample ID: BH 24 - 41 2'

Prep Type: Total/NA

Prep Batch: 92048

	Sample	Sample	Spike	MS	MS				%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits		
Gasoline Range Organics (GRO)-C6-C10	<50		996	1070		mg/Kg		108	70 - 130		
Diesel Range Organics (Over C10-C28)	<50		996	945		mg/Kg		95	70 - 130		
Surrogate	MS	MS									
	%Recovery	Qualifier	Limits								
1-Chlorooctane	113		70 - 130								
o-Terphenyl	101		70 - 130								

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QC Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

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

Lab Sample ID: 890-7172-17 MSD

Matrix: Solid

Analysis Batch: 92175

Client Sample ID: BH 24 - 41 2'

Prep Type: Total/NA

Prep Batch: 92048

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50		996	1050		mg/Kg		105	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50		996	930		mg/Kg		93	70 - 130	2	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	111		70 - 130								
o-Terphenyl	99		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-92174/1-A

Matrix: Solid

Analysis Batch: 92249

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.0		5.0	mg/Kg			10/01/24 23:20	1

Lab Sample ID: LCS 880-92174/2-A

Matrix: Solid

Analysis Batch: 92249

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	245		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-92174/3-A

Matrix: Solid

Analysis Batch: 92249

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	245		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-92181/1-A

Matrix: Solid

Analysis Batch: 92283

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.0		5.0	mg/Kg			10/03/24 01:24	1

Lab Sample ID: LCS 880-92181/2-A

Matrix: Solid

Analysis Batch: 92283

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	257		mg/Kg		103	90 - 110

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QC Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-92181/3-A				Client Sample ID: Lab Control Sample Dup							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 92283											
Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	259		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 890-7172-13 MS				Client Sample ID: BH 24 - 40 0'							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 92283											
Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	46		248	306		mg/Kg		105	90 - 110		

Lab Sample ID: 890-7172-13 MSD				Client Sample ID: BH 24 - 40 0'							
Matrix: Solid				Prep Type: Soluble							
Analysis Batch: 92283											
Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	46		248	307		mg/Kg		105	90 - 110	0	20

QC Association Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

GC VOA

Prep Batch: 91951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-91951/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 92039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-17	BH 24 - 41 2'	Total/NA	Solid	8021B	92120
890-7172-18	BH 24 - 42 0'	Total/NA	Solid	8021B	92120
890-7172-19	BH 24 - 43 0'	Total/NA	Solid	8021B	92120
890-7172-20	BH 24 - 43 2'	Total/NA	Solid	8021B	92120
MB 880-91951/5-A	Method Blank	Total/NA	Solid	8021B	91951
MB 880-92120/5-A	Method Blank	Total/NA	Solid	8021B	92120
LCS 880-92120/1-A	Lab Control Sample	Total/NA	Solid	8021B	92120
LCSD 880-92120/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92120

Prep Batch: 92120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-17	BH 24 - 41 2'	Total/NA	Solid	5035	
890-7172-18	BH 24 - 42 0'	Total/NA	Solid	5035	
890-7172-19	BH 24 - 43 0'	Total/NA	Solid	5035	
890-7172-20	BH 24 - 43 2'	Total/NA	Solid	5035	
MB 880-92120/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92120/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92120/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 92217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-1	BH 24 - 35 0'	Total/NA	Solid	8021B	92237
890-7172-2	BH 24 - 35 2'	Total/NA	Solid	8021B	92237
890-7172-3	BH 24 - 35 4'	Total/NA	Solid	8021B	92237
890-7172-4	BH 24 - 36 0'	Total/NA	Solid	8021B	92237
890-7172-5	BH 24 - 36 2'	Total/NA	Solid	8021B	92237
890-7172-6	BH 24 - 37 0'	Total/NA	Solid	8021B	92237
890-7172-7	BH 24 - 37 2'	Total/NA	Solid	8021B	92237
890-7172-8	BH 24 - 38 0'	Total/NA	Solid	8021B	92237
890-7172-9	BH 24 - 38 2'	Total/NA	Solid	8021B	92237
890-7172-10	BH 24 - 39 0'	Total/NA	Solid	8021B	92237
890-7172-11	BH 24 - 39 2'	Total/NA	Solid	8021B	92237
890-7172-12	BH 24 - 39 4'	Total/NA	Solid	8021B	92237
890-7172-13	BH 24 - 40 0'	Total/NA	Solid	8021B	92237
890-7172-14	BH 24 - 40 2'	Total/NA	Solid	8021B	92237
890-7172-15	BH 24 - 40 4'	Total/NA	Solid	8021B	92237
890-7172-16	BH 24 - 41 0'	Total/NA	Solid	8021B	92237
MB 880-92237/5-A	Method Blank	Total/NA	Solid	8021B	92237
LCS 880-92237/1-A	Lab Control Sample	Total/NA	Solid	8021B	92237
LCSD 880-92237/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	92237

Prep Batch: 92237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-1	BH 24 - 35 0'	Total/NA	Solid	5035	
890-7172-2	BH 24 - 35 2'	Total/NA	Solid	5035	
890-7172-3	BH 24 - 35 4'	Total/NA	Solid	5035	
890-7172-4	BH 24 - 36 0'	Total/NA	Solid	5035	

Eurofins Carlsbad

QC Association Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

GC VOA (Continued)

Prep Batch: 92237 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-5	BH 24 - 36 2'	Total/NA	Solid	5035	
890-7172-6	BH 24 - 37 0'	Total/NA	Solid	5035	
890-7172-7	BH 24 - 37 2'	Total/NA	Solid	5035	
890-7172-8	BH 24 - 38 0'	Total/NA	Solid	5035	
890-7172-9	BH 24 - 38 2'	Total/NA	Solid	5035	
890-7172-10	BH 24 - 39 0'	Total/NA	Solid	5035	
890-7172-11	BH 24 - 39 2'	Total/NA	Solid	5035	
890-7172-12	BH 24 - 39 4'	Total/NA	Solid	5035	
890-7172-13	BH 24 - 40 0'	Total/NA	Solid	5035	
890-7172-14	BH 24 - 40 2'	Total/NA	Solid	5035	
890-7172-15	BH 24 - 40 4'	Total/NA	Solid	5035	
890-7172-16	BH 24 - 41 0'	Total/NA	Solid	5035	
MB 880-92237/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-92237/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-92237/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 92808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-1	BH 24 - 35 0'	Total/NA	Solid	Total BTEX	
890-7172-2	BH 24 - 35 2'	Total/NA	Solid	Total BTEX	
890-7172-3	BH 24 - 35 4'	Total/NA	Solid	Total BTEX	
890-7172-4	BH 24 - 36 0'	Total/NA	Solid	Total BTEX	
890-7172-5	BH 24 - 36 2'	Total/NA	Solid	Total BTEX	
890-7172-6	BH 24 - 37 0'	Total/NA	Solid	Total BTEX	
890-7172-7	BH 24 - 37 2'	Total/NA	Solid	Total BTEX	
890-7172-8	BH 24 - 38 0'	Total/NA	Solid	Total BTEX	
890-7172-9	BH 24 - 38 2'	Total/NA	Solid	Total BTEX	
890-7172-10	BH 24 - 39 0'	Total/NA	Solid	Total BTEX	
890-7172-11	BH 24 - 39 2'	Total/NA	Solid	Total BTEX	
890-7172-12	BH 24 - 39 4'	Total/NA	Solid	Total BTEX	
890-7172-13	BH 24 - 40 0'	Total/NA	Solid	Total BTEX	
890-7172-14	BH 24 - 40 2'	Total/NA	Solid	Total BTEX	
890-7172-15	BH 24 - 40 4'	Total/NA	Solid	Total BTEX	
890-7172-16	BH 24 - 41 0'	Total/NA	Solid	Total BTEX	
890-7172-17	BH 24 - 41 2'	Total/NA	Solid	Total BTEX	
890-7172-18	BH 24 - 42 0'	Total/NA	Solid	Total BTEX	
890-7172-19	BH 24 - 43 0'	Total/NA	Solid	Total BTEX	
890-7172-20	BH 24 - 43 2'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 92047

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-1	BH 24 - 35 0'	Total/NA	Solid	8015NM Prep	
890-7172-2	BH 24 - 35 2'	Total/NA	Solid	8015NM Prep	
890-7172-3	BH 24 - 35 4'	Total/NA	Solid	8015NM Prep	
890-7172-4	BH 24 - 36 0'	Total/NA	Solid	8015NM Prep	
890-7172-5	BH 24 - 36 2'	Total/NA	Solid	8015NM Prep	
890-7172-6	BH 24 - 37 0'	Total/NA	Solid	8015NM Prep	
890-7172-7	BH 24 - 37 2'	Total/NA	Solid	8015NM Prep	
890-7172-8	BH 24 - 38 0'	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

GC Semi VOA (Continued)

Prep Batch: 92047 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-9	BH 24 - 38 2'	Total/NA	Solid	8015NM Prep	
890-7172-10	BH 24 - 39 0'	Total/NA	Solid	8015NM Prep	
890-7172-11	BH 24 - 39 2'	Total/NA	Solid	8015NM Prep	
890-7172-12	BH 24 - 39 4'	Total/NA	Solid	8015NM Prep	
890-7172-13	BH 24 - 40 0'	Total/NA	Solid	8015NM Prep	
890-7172-14	BH 24 - 40 2'	Total/NA	Solid	8015NM Prep	
890-7172-15	BH 24 - 40 4'	Total/NA	Solid	8015NM Prep	
890-7172-16	BH 24 - 41 0'	Total/NA	Solid	8015NM Prep	
MB 880-92047/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92047/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92047/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 92048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-17	BH 24 - 41 2'	Total/NA	Solid	8015NM Prep	
890-7172-18	BH 24 - 42 0'	Total/NA	Solid	8015NM Prep	
890-7172-19	BH 24 - 43 0'	Total/NA	Solid	8015NM Prep	
890-7172-20	BH 24 - 43 2'	Total/NA	Solid	8015NM Prep	
MB 880-92048/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-92048/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-92048/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-7172-17 MS	BH 24 - 41 2'	Total/NA	Solid	8015NM Prep	
890-7172-17 MSD	BH 24 - 41 2'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 92175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-1	BH 24 - 35 0'	Total/NA	Solid	8015B NM	92047
890-7172-2	BH 24 - 35 2'	Total/NA	Solid	8015B NM	92047
890-7172-3	BH 24 - 35 4'	Total/NA	Solid	8015B NM	92047
890-7172-4	BH 24 - 36 0'	Total/NA	Solid	8015B NM	92047
890-7172-5	BH 24 - 36 2'	Total/NA	Solid	8015B NM	92047
890-7172-6	BH 24 - 37 0'	Total/NA	Solid	8015B NM	92047
890-7172-7	BH 24 - 37 2'	Total/NA	Solid	8015B NM	92047
890-7172-8	BH 24 - 38 0'	Total/NA	Solid	8015B NM	92047
890-7172-9	BH 24 - 38 2'	Total/NA	Solid	8015B NM	92047
890-7172-10	BH 24 - 39 0'	Total/NA	Solid	8015B NM	92047
890-7172-11	BH 24 - 39 2'	Total/NA	Solid	8015B NM	92047
890-7172-12	BH 24 - 39 4'	Total/NA	Solid	8015B NM	92047
890-7172-13	BH 24 - 40 0'	Total/NA	Solid	8015B NM	92047
890-7172-14	BH 24 - 40 2'	Total/NA	Solid	8015B NM	92047
890-7172-15	BH 24 - 40 4'	Total/NA	Solid	8015B NM	92047
890-7172-16	BH 24 - 41 0'	Total/NA	Solid	8015B NM	92047
890-7172-17	BH 24 - 41 2'	Total/NA	Solid	8015B NM	92048
890-7172-18	BH 24 - 42 0'	Total/NA	Solid	8015B NM	92048
890-7172-19	BH 24 - 43 0'	Total/NA	Solid	8015B NM	92048
890-7172-20	BH 24 - 43 2'	Total/NA	Solid	8015B NM	92048
MB 880-92047/1-A	Method Blank	Total/NA	Solid	8015B NM	92047
MB 880-92048/1-A	Method Blank	Total/NA	Solid	8015B NM	92048
LCS 880-92047/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92047
LCS 880-92048/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	92048
LCSD 880-92047/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92047

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QC Association Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

GC Semi VOA (Continued)

Analysis Batch: 92175 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-92048/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	92048
890-7172-17 MS	BH 24 - 41 2'	Total/NA	Solid	8015B NM	92048
890-7172-17 MSD	BH 24 - 41 2'	Total/NA	Solid	8015B NM	92048

Analysis Batch: 92810

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-1	BH 24 - 35 0'	Total/NA	Solid	8015 NM	
890-7172-2	BH 24 - 35 2'	Total/NA	Solid	8015 NM	
890-7172-3	BH 24 - 35 4'	Total/NA	Solid	8015 NM	
890-7172-4	BH 24 - 36 0'	Total/NA	Solid	8015 NM	
890-7172-5	BH 24 - 36 2'	Total/NA	Solid	8015 NM	
890-7172-6	BH 24 - 37 0'	Total/NA	Solid	8015 NM	
890-7172-7	BH 24 - 37 2'	Total/NA	Solid	8015 NM	
890-7172-8	BH 24 - 38 0'	Total/NA	Solid	8015 NM	
890-7172-9	BH 24 - 38 2'	Total/NA	Solid	8015 NM	
890-7172-10	BH 24 - 39 0'	Total/NA	Solid	8015 NM	
890-7172-11	BH 24 - 39 2'	Total/NA	Solid	8015 NM	
890-7172-12	BH 24 - 39 4'	Total/NA	Solid	8015 NM	
890-7172-13	BH 24 - 40 0'	Total/NA	Solid	8015 NM	
890-7172-14	BH 24 - 40 2'	Total/NA	Solid	8015 NM	
890-7172-15	BH 24 - 40 4'	Total/NA	Solid	8015 NM	
890-7172-16	BH 24 - 41 0'	Total/NA	Solid	8015 NM	
890-7172-17	BH 24 - 41 2'	Total/NA	Solid	8015 NM	
890-7172-18	BH 24 - 42 0'	Total/NA	Solid	8015 NM	
890-7172-19	BH 24 - 43 0'	Total/NA	Solid	8015 NM	
890-7172-20	BH 24 - 43 2'	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 92174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-1	BH 24 - 35 0'	Soluble	Solid	DI Leach	
890-7172-2	BH 24 - 35 2'	Soluble	Solid	DI Leach	
890-7172-3	BH 24 - 35 4'	Soluble	Solid	DI Leach	
890-7172-4	BH 24 - 36 0'	Soluble	Solid	DI Leach	
MB 880-92174/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92174/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92174/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 92181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-5	BH 24 - 36 2'	Soluble	Solid	DI Leach	
890-7172-6	BH 24 - 37 0'	Soluble	Solid	DI Leach	
890-7172-7	BH 24 - 37 2'	Soluble	Solid	DI Leach	
890-7172-8	BH 24 - 38 0'	Soluble	Solid	DI Leach	
890-7172-9	BH 24 - 38 2'	Soluble	Solid	DI Leach	
890-7172-10	BH 24 - 39 0'	Soluble	Solid	DI Leach	
890-7172-11	BH 24 - 39 2'	Soluble	Solid	DI Leach	
890-7172-12	BH 24 - 39 4'	Soluble	Solid	DI Leach	
890-7172-13	BH 24 - 40 0'	Soluble	Solid	DI Leach	
890-7172-14	BH 24 - 40 2'	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

HPLC/IC (Continued)

Leach Batch: 92181 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-15	BH 24 - 40 4'	Soluble	Solid	DI Leach	
890-7172-16	BH 24 - 41 0'	Soluble	Solid	DI Leach	
890-7172-17	BH 24 - 41 2'	Soluble	Solid	DI Leach	
890-7172-18	BH 24 - 42 0'	Soluble	Solid	DI Leach	
890-7172-19	BH 24 - 43 0'	Soluble	Solid	DI Leach	
890-7172-20	BH 24 - 43 2'	Soluble	Solid	DI Leach	
MB 880-92181/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-92181/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-92181/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7172-13 MS	BH 24 - 40 0'	Soluble	Solid	DI Leach	
890-7172-13 MSD	BH 24 - 40 0'	Soluble	Solid	DI Leach	

Analysis Batch: 92249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-1	BH 24 - 35 0'	Soluble	Solid	300.0	92174
890-7172-2	BH 24 - 35 2'	Soluble	Solid	300.0	92174
890-7172-3	BH 24 - 35 4'	Soluble	Solid	300.0	92174
890-7172-4	BH 24 - 36 0'	Soluble	Solid	300.0	92174
MB 880-92174/1-A	Method Blank	Soluble	Solid	300.0	92174
LCS 880-92174/2-A	Lab Control Sample	Soluble	Solid	300.0	92174
LCSD 880-92174/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	92174

Analysis Batch: 92283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7172-5	BH 24 - 36 2'	Soluble	Solid	300.0	92181
890-7172-6	BH 24 - 37 0'	Soluble	Solid	300.0	92181
890-7172-7	BH 24 - 37 2'	Soluble	Solid	300.0	92181
890-7172-8	BH 24 - 38 0'	Soluble	Solid	300.0	92181
890-7172-9	BH 24 - 38 2'	Soluble	Solid	300.0	92181
890-7172-10	BH 24 - 39 0'	Soluble	Solid	300.0	92181
890-7172-11	BH 24 - 39 2'	Soluble	Solid	300.0	92181
890-7172-12	BH 24 - 39 4'	Soluble	Solid	300.0	92181
890-7172-13	BH 24 - 40 0'	Soluble	Solid	300.0	92181
890-7172-14	BH 24 - 40 2'	Soluble	Solid	300.0	92181
890-7172-15	BH 24 - 40 4'	Soluble	Solid	300.0	92181
890-7172-16	BH 24 - 41 0'	Soluble	Solid	300.0	92181
890-7172-17	BH 24 - 41 2'	Soluble	Solid	300.0	92181
890-7172-18	BH 24 - 42 0'	Soluble	Solid	300.0	92181
890-7172-19	BH 24 - 43 0'	Soluble	Solid	300.0	92181
890-7172-20	BH 24 - 43 2'	Soluble	Solid	300.0	92181
MB 880-92181/1-A	Method Blank	Soluble	Solid	300.0	92181
LCS 880-92181/2-A	Lab Control Sample	Soluble	Solid	300.0	92181
LCSD 880-92181/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	92181
890-7172-13 MS	BH 24 - 40 0'	Soluble	Solid	300.0	92181
890-7172-13 MSD	BH 24 - 40 0'	Soluble	Solid	300.0	92181

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Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 35 0'

Lab Sample ID: 890-7172-1

Date Collected: 09/26/24 08:30

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 13:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 13:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/01/24 22:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/01/24 22:34	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	92174	09/30/24 15:58	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92249	10/02/24 01:46	CH	EET MID

Client Sample ID: BH 24 - 35 2'

Lab Sample ID: 890-7172-2

Date Collected: 09/26/24 08:40

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 14:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 14:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/01/24 22:51	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/01/24 22:51	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92174	09/30/24 15:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92249	10/02/24 01:52	CH	EET MID

Client Sample ID: BH 24 - 35 4'

Lab Sample ID: 890-7172-3

Date Collected: 09/26/24 08:50

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 14:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 14:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/01/24 23:07	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/01/24 23:07	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92174	09/30/24 15:58	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92249	10/02/24 01:57	CH	EET MID

Client Sample ID: BH 24 - 36 0'

Lab Sample ID: 890-7172-4

Date Collected: 09/26/24 09:00

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 15:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 15:00	SM	EET MID

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Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 36 0'

Lab Sample ID: 890-7172-4

Date Collected: 09/26/24 09:00

Matrix: Solid

Date Received: 09/27/24 12:52

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			92810	10/01/24 23:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/01/24 23:23	TKC	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	92174	09/30/24 15:58	SA	EET MID
Soluble	Analysis	300.0		20	50 mL	50 mL	92249	10/02/24 02:02	CH	EET MID

Client Sample ID: BH 24 - 36 2'

Lab Sample ID: 890-7172-5

Date Collected: 09/26/24 09:10

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 15:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 15:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/01/24 23:40	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/01/24 23:40	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	92283	10/03/24 02:02	CH	EET MID

Client Sample ID: BH 24 - 37 0'

Lab Sample ID: 890-7172-6

Date Collected: 09/26/24 09:20

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 15:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 15:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/01/24 23:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/01/24 23:55	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 02:08	CH	EET MID

Client Sample ID: BH 24 - 37 2'

Lab Sample ID: 890-7172-7

Date Collected: 09/26/24 09:30

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 17:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 17:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/02/24 00:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/02/24 00:27	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 37 2'

Lab Sample ID: 890-7172-7

Date Collected: 09/26/24 09:30

Matrix: Solid

Date Received: 09/27/24 12:52

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 02:13	CH	EET MID

Client Sample ID: BH 24 - 38 0'

Lab Sample ID: 890-7172-8

Date Collected: 09/26/24 09:40

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 17:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 17:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/02/24 00:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/02/24 00:43	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 02:29	CH	EET MID

Client Sample ID: BH 24 - 38 2'

Lab Sample ID: 890-7172-9

Date Collected: 09/26/24 09:50

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 18:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 18:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/02/24 01:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/02/24 01:00	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 02:35	CH	EET MID

Client Sample ID: BH 24 - 39 0'

Lab Sample ID: 890-7172-10

Date Collected: 09/26/24 10:00

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 18:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 18:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/02/24 01:16	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/02/24 01:16	TKC	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 02:40	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 39 2'

Lab Sample ID: 890-7172-11

Date Collected: 09/26/24 10:10

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 18:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 18:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/02/24 01:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/02/24 01:32	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 02:46	CH	EET MID

Client Sample ID: BH 24 - 39 4'

Lab Sample ID: 890-7172-12

Date Collected: 09/26/24 10:20

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 19:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 19:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/02/24 01:48	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/02/24 01:48	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 02:51	CH	EET MID

Client Sample ID: BH 24 - 40 0'

Lab Sample ID: 890-7172-13

Date Collected: 09/26/24 10:40

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 19:34	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 19:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/02/24 02:05	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/02/24 02:05	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 02:56	CH	EET MID

Client Sample ID: BH 24 - 40 2'

Lab Sample ID: 890-7172-14

Date Collected: 09/26/24 10:50

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 19:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 19:54	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 40 2'

Lab Sample ID: 890-7172-14

Date Collected: 09/26/24 10:50

Matrix: Solid

Date Received: 09/27/24 12:52

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			92810	10/02/24 02:20	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/02/24 02:20	TKC	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 03:13	CH	EET MID

Client Sample ID: BH 24 - 40 4'

Lab Sample ID: 890-7172-15

Date Collected: 09/26/24 11:00

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 20:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 20:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/02/24 02:37	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/02/24 02:37	TKC	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 03:18	CH	EET MID

Client Sample ID: BH 24 - 41 0'

Lab Sample ID: 890-7172-16

Date Collected: 09/26/24 11:10

Matrix: Solid

Date Received: 09/27/24 12:52

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	92237	10/01/24 10:10	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92217	10/01/24 20:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 20:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/02/24 02:52	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10.00 mL	92047	09/29/24 20:56	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/02/24 02:52	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 03:34	CH	EET MID

Client Sample ID: BH 24 - 41 2'

Lab Sample ID: 890-7172-17

Date Collected: 09/26/24 11:20

Matrix: Solid

Date Received: 09/27/24 12:52

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	92120	09/30/24 11:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92039	10/01/24 03:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 03:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/01/24 12:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10.00 mL	92048	09/29/24 20:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/01/24 12:43	TKC	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Client Sample ID: BH 24 - 41 2'
Date Collected: 09/26/24 11:20
Date Received: 09/27/24 12:52

Lab Sample ID: 890-7172-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 09:12	CH	EET MID

Client Sample ID: BH 24 - 42 0'
Date Collected: 09/26/24 11:30
Date Received: 09/27/24 12:52

Lab Sample ID: 890-7172-18
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	92120	09/30/24 11:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92039	10/01/24 03:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 03:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/01/24 15:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10.00 mL	92048	09/29/24 20:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/01/24 15:28	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 03:41	CH	EET MID

Client Sample ID: BH 24 - 43 0'
Date Collected: 09/26/24 11:40
Date Received: 09/27/24 12:52

Lab Sample ID: 890-7172-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	92120	09/30/24 11:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92039	10/01/24 05:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 05:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/01/24 15:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10.00 mL	92048	09/29/24 20:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/01/24 15:46	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 09:17	CH	EET MID

Client Sample ID: BH 24 - 43 2'
Date Collected: 09/26/24 11:50
Date Received: 09/27/24 12:52

Lab Sample ID: 890-7172-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	92120	09/30/24 11:16	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	92039	10/01/24 05:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			92808	10/01/24 05:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			92810	10/01/24 16:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10.00 mL	92048	09/29/24 20:59	EL	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	92175	10/01/24 16:22	TKC	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	92181	09/30/24 16:16	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	92283	10/03/24 03:47	CH	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

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

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2
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Accreditation/Certification Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

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	06-30-25

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

Method Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
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 MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-7172-1
SDG: 24 E - 04209

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-7172-1	BH 24 - 35 0'	Solid	09/26/24 08:30	09/27/24 12:52
890-7172-2	BH 24 - 35 2'	Solid	09/26/24 08:40	09/27/24 12:52
890-7172-3	BH 24 - 35 4'	Solid	09/26/24 08:50	09/27/24 12:52
890-7172-4	BH 24 - 36 0'	Solid	09/26/24 09:00	09/27/24 12:52
890-7172-5	BH 24 - 36 2'	Solid	09/26/24 09:10	09/27/24 12:52
890-7172-6	BH 24 - 37 0'	Solid	09/26/24 09:20	09/27/24 12:52
890-7172-7	BH 24 - 37 2'	Solid	09/26/24 09:30	09/27/24 12:52
890-7172-8	BH 24 - 38 0'	Solid	09/26/24 09:40	09/27/24 12:52
890-7172-9	BH 24 - 38 2'	Solid	09/26/24 09:50	09/27/24 12:52
890-7172-10	BH 24 - 39 0'	Solid	09/26/24 10:00	09/27/24 12:52
890-7172-11	BH 24 - 39 2'	Solid	09/26/24 10:10	09/27/24 12:52
890-7172-12	BH 24 - 39 4'	Solid	09/26/24 10:20	09/27/24 12:52
890-7172-13	BH 24 - 40 0'	Solid	09/26/24 10:40	09/27/24 12:52
890-7172-14	BH 24 - 40 2'	Solid	09/26/24 10:50	09/27/24 12:52
890-7172-15	BH 24 - 40 4'	Solid	09/26/24 11:00	09/27/24 12:52
890-7172-16	BH 24 - 41 0'	Solid	09/26/24 11:10	09/27/24 12:52
890-7172-17	BH 24 - 41 2'	Solid	09/26/24 11:20	09/27/24 12:52
890-7172-18	BH 24 - 42 0'	Solid	09/26/24 11:30	09/27/24 12:52
890-7172-19	BH 24 - 43 0'	Solid	09/26/24 11:40	09/27/24 12:52
890-7172-20	BH 24 - 43 2'	Solid	09/26/24 11:50	09/27/24 12:52

Chain-of-Custody Record

Client: **Vertex**Mailing Address **3101 Boyd Dr, Carlsbad, NM**

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Sand Point Reclamation Facility

Project #:

24E-04209

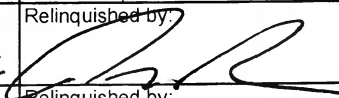
Project Manager:

Chad Hensley**Chensley@vertexresource.com**Sampler: **J. Rewis**On Ice: ☐ Yes ☒ No

of Coolers:

Cooler Temp (including CF): **6.0 5.8 -0.0**

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
9.26.24	8:30	Soil	BH24-35 0'	4oz Jar	ICE		x	x					x			
9.26.24	8:40	Soil	BH24-35 2'	4oz Jar	ICE		x	x					x			
9.26.24	8:50	Soil	BH24-35 4'	4oz Jar	ICE		x	x					x			
9.26.24	9:00	Soil	BH24-36 0'	4oz Jar	ICE		x	x					x			
9.26.24	9:10	Soil	BH24-36 2'	4oz Jar	ICE		x	x					x			
9.26.24	9:20	Soil	BH24-37 0'	4oz Jar	ICE		x	x					x			
9.26.24	9:30	Soil	BH24-37 2'	4oz Jar	ICE		x	x					x			
9.26.24	9:40	Soil	BH24-38 0'	4oz Jar	ICE		x	x					x			
9.26.24	9:50	Soil	BH24-38 2'	4oz Jar	ICE		x	x					x			
9.26.24	10:00	Soil	BH24-39 0'	4oz Jar	ICE		x	x					x			
9.26.24	10:10	Soil	BH24-39 2'	4oz Jar	ICE		x	x					x			
9.26.24	10:20	Soil	BH24-39 4'	4oz Jar	ICE		x	x					x			

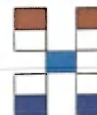
Date: **9.27.24** Time: **12:52** Relinquished by: Received by: **alchem** Via:Date: **12:52 9/27** Time:

Date: Time: Relinquished by:

Received by: Via:

Date: Time:

Remarks:

CC: Chad Hensley Chensley@vertexresource.com
John Rewis jrewis@vertexresource.com for Final Report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107



890-7172 Chain of Custody

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Vertex

Job Number: 890-7172-1

SDG Number: 24 E - 04209

Login Number: 7172
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: Vertex

Job Number: 890-7172-1

SDG Number: 24 E - 04209

Login Number: 7172
List Number: 2
Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

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

Login Sample Receipt Checklist

Client: Vertex

Job Number: 890-7172-1

SDG Number: 24 E - 04209

Login Number: 7172

List Source: Eurofins Midland

List Number: 3

List Creation: 09/29/24 08:09 PM

Creator: Laing, Edmundo

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	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Chad Hensley
Vertex

3101 Boyd Dr
Carlsbad, New Mexico 88220

Generated 12/19/2025 12:11:36 PM Revision 1

JOB DESCRIPTION

Sand Point Reclamation Facility
24E-04209

JOB NUMBER

890-9171-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220



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



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

Generated
12/19/2025 12:11:36 PM
Revision 1

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Laboratory Job ID: 890-9171-1
SDG: 24E-04209

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Definitions/Glossary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-9171-1
SDG: 24E-04209

Qualifiers

GC VOA

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

GC Semi VOA

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

HPLC/IC

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

Glossary

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

Case Narrative

Client: Vertex
Project: Sand Point Reclamation Facility

Job ID: 890-9171-1

Job ID: 890-9171-1

Eurofins Carlsbad

Job Narrative 890-9171-1

REVISION

The report being provided is a revision of the original report sent on 12/16/2025. The report (revision 1) is being revised due to Samples switched at labeling, revised report required.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt

The samples were received on 12/5/2025 12:15 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 5.8°C.

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-126092 and 880-126107 and analytical batch 880-126152 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: BH25-36 (890-9171-1) and BH25-36 (890-9171-2). 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.

Hydrocarbons

Method TX_1005: Surrogate recovery for the following samples were outside control limits: BH25-36 (890-9171-1) and BH25-36 (890-9171-2). Evidence of matrix interferences is not obvious.

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

HPLC/IC

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

Eurofins Carlsbad

Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-9171-1
SDG: 24E-04209

Client Sample ID: BH25-36

Lab Sample ID: 890-9171-1

Date Collected: 12/04/25 14:00

Matrix: Solid

Date Received: 12/05/25 12:15

Sample Depth: 5

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		12/09/25 13:02	12/11/25 07:53	1
Toluene	<0.00202	U	0.00202		mg/Kg		12/09/25 13:02	12/11/25 07:53	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		12/09/25 13:02	12/11/25 07:53	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		12/09/25 13:02	12/11/25 07:53	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		12/09/25 13:02	12/11/25 07:53	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		12/09/25 13:02	12/11/25 07:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	139	S1+	70 - 130	12/09/25 13:02	12/11/25 07:53	1
1,4-Difluorobenzene (Surr)	119		70 - 130	12/09/25 13:02	12/11/25 07:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			12/11/25 07:53	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	<49.8	U	49.8		mg/Kg		12/05/25 11:21	12/11/25 22:10	1
>C12-C28 Range Hydrocarbons	<49.8	U	49.8		mg/Kg		12/05/25 11:21	12/11/25 22:10	1
>C28-C35 Range Hydrocarbons	<49.8	U	49.8		mg/Kg		12/05/25 11:21	12/11/25 22:10	1
Total Petroleum Hydrocarbons (C6-C35)	<49.8	U	49.8		mg/Kg			12/11/25 22:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130	12/05/25 11:21	12/11/25 22:10	1
o-Terphenyl (Surr)	132	S1+	70 - 130	12/05/25 11:21	12/11/25 22:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.3		9.92		mg/Kg			12/10/25 13:32	1

Client Sample ID: BH25-36

Lab Sample ID: 890-9171-2

Date Collected: 12/04/25 13:45

Matrix: Solid

Date Received: 12/05/25 12:15

Sample Depth: 4

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		12/09/25 13:02	12/11/25 08:14	1
Toluene	<0.00199	U	0.00199		mg/Kg		12/09/25 13:02	12/11/25 08:14	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		12/09/25 13:02	12/11/25 08:14	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		12/09/25 13:02	12/11/25 08:14	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		12/09/25 13:02	12/11/25 08:14	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		12/09/25 13:02	12/11/25 08:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	12/09/25 13:02	12/11/25 08:14	1
1,4-Difluorobenzene (Surr)	113		70 - 130	12/09/25 13:02	12/11/25 08:14	1

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Client Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-9171-1
SDG: 24E-04209

Client Sample ID: BH25-36

Lab Sample ID: 890-9171-2

Date Collected: 12/04/25 13:45

Matrix: Solid

Date Received: 12/05/25 12:15

Sample Depth: 4

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			12/11/25 08:14	1

Method: TCEQ TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	<49.9	U	49.9		mg/Kg		12/05/25 11:21	12/11/25 22:23	1
>C12-C28 Range Hydrocarbons	<49.9	U	49.9		mg/Kg		12/05/25 11:21	12/11/25 22:23	1
>C28-C35 Range Hydrocarbons	<49.9	U	49.9		mg/Kg		12/05/25 11:21	12/11/25 22:23	1
Total Petroleum Hydrocarbons (C6-C35)	<49.9	U	49.9		mg/Kg			12/11/25 22:23	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	120		70 - 130				12/05/25 11:21	12/11/25 22:23	1
o-Terphenyl (Surr)	132	S1+	70 - 130				12/05/25 11:21	12/11/25 22:23	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	902		9.98		mg/Kg			12/10/25 13:49	1

Eurofins Carlsbad

Surrogate Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-9171-1
SDG: 24E-04209

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-9167-A-1-D MS	Matrix Spike	103	101
890-9167-A-1-E MSD	Matrix Spike Duplicate	94	94
890-9171-1	BH25-36	139 S1+	119
890-9171-2	BH25-36	138 S1+	113
LCS 880-126107/1-A	Lab Control Sample	101	107
LCSD 880-126107/2-A	Lab Control Sample Dup	97	91
MB 880-126092/5-A	Method Blank	154 S1+	94
MB 880-126107/5-A	Method Blank	194 S1+	111

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	1CO (70-130)	OTPH (70-130)
880-65763-A-4-B MS	Matrix Spike	129	117
880-65763-A-4-C MSD	Matrix Spike Duplicate	123	116
890-9171-1	BH25-36	120	132 S1+
890-9171-2	BH25-36	120	132 S1+
LCS 880-125742/2-A	Lab Control Sample	126	116
LCSD 880-125742/3-A	Lab Control Sample Dup	122	115
MB 880-125742/1-A	Method Blank	101	110

Surrogate Legend

1CO = 1-Chlorooctane (Surr)

OTPH = o-Terphenyl (Surr)

QC Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-9171-1
SDG: 24E-04209

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-126092/5-A

Matrix: Solid

Analysis Batch: 126152

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126092

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:47	12/10/25 12:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:47	12/10/25 12:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:47	12/10/25 12:09	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 12:47	12/10/25 12:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 12:47	12/10/25 12:09	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 12:47	12/10/25 12:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	154	S1+	70 - 130	12/09/25 12:47	12/10/25 12:09	1
1,4-Difluorobenzene (Surr)	94		70 - 130	12/09/25 12:47	12/10/25 12:09	1

Lab Sample ID: MB 880-126107/5-A

Matrix: Solid

Analysis Batch: 126152

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 126107

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/10/25 23:46	1
Toluene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/10/25 23:46	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/10/25 23:46	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		12/09/25 13:02	12/10/25 23:46	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		12/09/25 13:02	12/10/25 23:46	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		12/09/25 13:02	12/10/25 23:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	194	S1+	70 - 130	12/09/25 13:02	12/10/25 23:46	1
1,4-Difluorobenzene (Surr)	111		70 - 130	12/09/25 13:02	12/10/25 23:46	1

Lab Sample ID: LCS 880-126107/1-A

Matrix: Solid

Analysis Batch: 126152

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 126107

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1020		mg/Kg		102	70 - 130
Toluene	0.100	0.08877		mg/Kg		89	70 - 130
Ethylbenzene	0.100	0.1013		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.1871		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09275		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: LCSD 880-126107/2-A

Matrix: Solid

Analysis Batch: 126152

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 126107

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08202		mg/Kg		82	70 - 130	22	35

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QC Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-9171-1
SDG: 24E-04209

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

Lab Sample ID: LCSD 880-126107/2-A

Matrix: Solid

Analysis Batch: 126152

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 126107

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	0.100	0.08460		mg/Kg		85	70 - 130	5	35
Ethylbenzene	0.100	0.09189		mg/Kg		92	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.1824		mg/Kg		91	70 - 130	3	35
o-Xylene	0.100	0.08695		mg/Kg		87	70 - 130	6	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 890-9167-A-1-D MS

Matrix: Solid

Analysis Batch: 126152

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 126107

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.100	0.08299		mg/Kg		83	70 - 130
Toluene	<0.00200	U	0.100	0.07678		mg/Kg		77	70 - 130
Ethylbenzene	<0.00200	U	0.100	0.08094		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1561		mg/Kg		78	70 - 130
o-Xylene	<0.00200	U	0.100	0.08910		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-9167-A-1-E MSD

Matrix: Solid

Analysis Batch: 126152

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 126107

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.09496		mg/Kg		95	70 - 130	13	35
Toluene	<0.00200	U	0.100	0.08806		mg/Kg		88	70 - 130	14	35
Ethylbenzene	<0.00200	U	0.100	0.09602		mg/Kg		96	70 - 130	17	35
m-Xylene & p-Xylene	<0.00400	U	0.200	0.1821		mg/Kg		91	70 - 130	15	35
o-Xylene	<0.00200	U	0.100	0.09445		mg/Kg		94	70 - 130	6	35

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

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 880-125742/1-A

Matrix: Solid

Analysis Batch: 126430

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 125742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12 Range Hydrocarbons	<50.0	U	50.0		mg/Kg		12/05/25 11:21	12/11/25 16:16	1
>C12-C28 Range Hydrocarbons	<50.0	U	50.0		mg/Kg		12/05/25 11:21	12/11/25 16:16	1

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QC Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-9171-1
SDG: 24E-04209

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: MB 880-125742/1-A

Matrix: Solid

Analysis Batch: 126430

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 125742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
>C28-C35 Range Hydrocarbons	<50.0	U	50.0		mg/Kg		12/05/25 11:21	12/11/25 16:16	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	101		70 - 130				12/05/25 11:21	12/11/25 16:16	1
o-Terphenyl (Surr)	110		70 - 130				12/05/25 11:21	12/11/25 16:16	1

Lab Sample ID: LCS 880-125742/2-A

Matrix: Solid

Analysis Batch: 126430

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 125742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C12 Range Hydrocarbons	1000	874.6		mg/Kg		87	75 - 125
>C12-C28 Range Hydrocarbons	1000	935.5		mg/Kg		94	75 - 125
Surrogate	%Recovery	LCS Qualifier	Limits				
1-Chlorooctane (Surr)	126		70 - 130				
o-Terphenyl (Surr)	116		70 - 130				

Lab Sample ID: LCSD 880-125742/3-A

Matrix: Solid

Analysis Batch: 126430

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 125742

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
C6-C12 Range Hydrocarbons	1000	858.6		mg/Kg		86	75 - 125	2	25
>C12-C28 Range Hydrocarbons	1000	942.9		mg/Kg		94	75 - 125	1	25
Surrogate	%Recovery	LCSD Qualifier	Limits						
1-Chlorooctane (Surr)	122		70 - 130						
o-Terphenyl (Surr)	115		70 - 130						

Lab Sample ID: 880-65763-A-4-B MS

Matrix: Solid

Analysis Batch: 126430

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 125742

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C12 Range Hydrocarbons	<50.0	U	997	815.7		mg/Kg		82	75 - 125
>C12-C28 Range Hydrocarbons	<50.0	U	997	987.6		mg/Kg		99	75 - 125
Surrogate	%Recovery	MS Qualifier	Limits						
1-Chlorooctane (Surr)	129		70 - 130						
o-Terphenyl (Surr)	117		70 - 130						

Lab Sample ID: 880-65763-A-4-C MSD

Matrix: Solid

Analysis Batch: 126430

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 125742

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
C6-C12 Range Hydrocarbons	<50.0	U	997	784.7		mg/Kg		79	75 - 125	4	25

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QC Sample Results

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-9171-1
SDG: 24E-04209

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: 880-65763-A-4-C MSD

Matrix: Solid

Analysis Batch: 126430

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 125742

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
>C12-C28 Range Hydrocarbons	<50.0	U	997	895.7		mg/Kg		90	75 - 125	10	25
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane (Surr)	123		70 - 130								
o-Terphenyl (Surr)	116		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-125985/1-A

Matrix: Solid

Analysis Batch: 126137

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			12/10/25 11:33	1

Lab Sample ID: LCS 880-125985/2-A

Matrix: Solid

Analysis Batch: 126137

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.7		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-125985/3-A

Matrix: Solid

Analysis Batch: 126137

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	249.2		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-9170-A-15-C MS

Matrix: Solid

Analysis Batch: 126137

Client Sample ID: Matrix Spike

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	368		252	605.3		mg/Kg		94	90 - 110

Lab Sample ID: 890-9170-A-15-D MSD

Matrix: Solid

Analysis Batch: 126137

Client Sample ID: Matrix Spike Duplicate

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	368		252	609.0		mg/Kg		96	90 - 110	1	20

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QC Association Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-9171-1
SDG: 24E-04209

GC VOA

Prep Batch: 126092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-126092/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 126107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9171-1	BH25-36	Total/NA	Solid	5035	
890-9171-2	BH25-36	Total/NA	Solid	5035	
MB 880-126107/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-126107/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-126107/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-9167-A-1-D MS	Matrix Spike	Total/NA	Solid	5035	
890-9167-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 126152

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9171-1	BH25-36	Total/NA	Solid	8021B	126107
890-9171-2	BH25-36	Total/NA	Solid	8021B	126107
MB 880-126092/5-A	Method Blank	Total/NA	Solid	8021B	126092
MB 880-126107/5-A	Method Blank	Total/NA	Solid	8021B	126107
LCS 880-126107/1-A	Lab Control Sample	Total/NA	Solid	8021B	126107
LCSD 880-126107/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	126107
890-9167-A-1-D MS	Matrix Spike	Total/NA	Solid	8021B	126107
890-9167-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	126107

Analysis Batch: 126818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9171-1	BH25-36	Total/NA	Solid	Total BTEX	
890-9171-2	BH25-36	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 125742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9171-1	BH25-36	Total/NA	Solid	TX_1005_S_Pre p	
890-9171-2	BH25-36	Total/NA	Solid	TX_1005_S_Pre p	
MB 880-125742/1-A	Method Blank	Total/NA	Solid	TX_1005_S_Pre p	
LCS 880-125742/2-A	Lab Control Sample	Total/NA	Solid	TX_1005_S_Pre p	
LCSD 880-125742/3-A	Lab Control Sample Dup	Total/NA	Solid	TX_1005_S_Pre p	
880-65763-A-4-B MS	Matrix Spike	Total/NA	Solid	TX_1005_S_Pre p	
880-65763-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	TX_1005_S_Pre p	

Analysis Batch: 126430

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9171-1	BH25-36	Total/NA	Solid	TX 1005	125742
890-9171-2	BH25-36	Total/NA	Solid	TX 1005	125742
MB 880-125742/1-A	Method Blank	Total/NA	Solid	TX 1005	125742
LCS 880-125742/2-A	Lab Control Sample	Total/NA	Solid	TX 1005	125742

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QC Association Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-9171-1
SDG: 24E-04209

GC Semi VOA (Continued)

Analysis Batch: 126430 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 880-125742/3-A	Lab Control Sample Dup	Total/NA	Solid	TX 1005	125742
880-65763-A-4-B MS	Matrix Spike	Total/NA	Solid	TX 1005	125742
880-65763-A-4-C MSD	Matrix Spike Duplicate	Total/NA	Solid	TX 1005	125742

Analysis Batch: 126505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9171-1	BH25-36	Total/NA	Solid	TX 1005	
890-9171-2	BH25-36	Total/NA	Solid	TX 1005	

HPLC/IC

Leach Batch: 125985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9171-1	BH25-36	Soluble	Solid	DI Leach	
890-9171-2	BH25-36	Soluble	Solid	DI Leach	
MB 880-125985/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-125985/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-125985/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-9170-A-15-C MS	Matrix Spike	Soluble	Solid	DI Leach	
890-9170-A-15-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 126137

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-9171-1	BH25-36	Soluble	Solid	300.0	125985
890-9171-2	BH25-36	Soluble	Solid	300.0	125985
MB 880-125985/1-A	Method Blank	Soluble	Solid	300.0	125985
LCS 880-125985/2-A	Lab Control Sample	Soluble	Solid	300.0	125985
LCSD 880-125985/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	125985
890-9170-A-15-C MS	Matrix Spike	Soluble	Solid	300.0	125985
890-9170-A-15-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	125985

Lab Chronicle

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-9171-1
SDG: 24E-04209

Client Sample ID: BH25-36
Date Collected: 12/04/25 14:00
Date Received: 12/05/25 12:15

Lab Sample ID: 890-9171-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	126107	12/09/25 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126152	12/11/25 07:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126818	12/11/25 07:53	AJ	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.04 g	10 mL	125742	12/05/25 11:21	EL	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	126430	12/11/25 22:10	FC	EET MID
Total/NA	Analysis	TX 1005		1			126505	12/11/25 22:10	SA	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	125985	12/08/25 15:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126137	12/10/25 13:32	CS	EET MID

Client Sample ID: BH25-36
Date Collected: 12/04/25 13:45
Date Received: 12/05/25 12:15

Lab Sample ID: 890-9171-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	126107	12/09/25 13:02	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	126152	12/11/25 08:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			126818	12/11/25 08:14	AJ	EET MID
Total/NA	Prep	TX_1005_S_Prep			10.03 g	10 mL	125742	12/05/25 11:21	EL	EET MID
Total/NA	Analysis	TX 1005		1	1 uL	1 uL	126430	12/11/25 22:23	FC	EET MID
Total/NA	Analysis	TX 1005		1			126505	12/11/25 22:23	SA	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	125985	12/08/25 15:17	SA	EET MID
Soluble	Analysis	300.0		1	10 mL	10 mL	126137	12/10/25 13:49	CS	EET MID

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

Accreditation/Certification Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-9171-1
SDG: 24E-04209

Laboratory: Eurofins Midland

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

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-26
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
Total BTEX		Solid	Total BTEX

Method Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-9171-1
SDG: 24E-04209

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID
TX_1005_S_Prep	Extraction - Texas Total petroleum Hyrdocarbons	TCEQ	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
- TCEQ = Texas Commission of Environmental Quality

Laboratory References:

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

Sample Summary

Client: Vertex
Project/Site: Sand Point Reclamation Facility

Job ID: 890-9171-1
SDG: 24E-04209

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-9171-1	BH25-36	Solid	12/04/25 14:00	12/05/25 12:15	5
890-9171-2	BH25-36	Solid	12/04/25 13:45	12/05/25 12:15	4

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



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Environment Testing
Xenco

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



000 0171 Chain of Custody

W

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Work Order Comments

Program: UST/PST ☐ PRF ☐ Brownfields ☐ RR ☐ Superfund ☐



State of Project:

Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRF ☐ Level IV ☐

Deliverables: EDD ☐ ADAPT ☐ Other: _____

Project Manager:	Chad Hensley	Bill to: (if different)	
Company Name:	Vertex Resource Group	Company Name:	Production Waste Solutions
Address:	3101 Boyd Dr	Address:	P.O. Box 627 1101 SE Mustang Dr
City, State ZIP:	Carlsbad0 NM 88220	City, State ZIP:	Andrew, Texas 79714
Phone: 575-725-5001		Email:	Chensley@vertexresource.com

[illegible]

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1			3.27.12			
3						
5						
6						

Revised Date: 03/27/2012

Eurofins Carlsbad

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

Chain of Custody Record



Environment Testing

[illegible]

Login Sample Receipt Checklist

Client: Vertex

Job Number: 890-9171-1

SDG Number: 24E-04209

Login Number: 9171

List Number: 1

Creator: Lopez, Abraham

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: Vertex

Job Number: 890-9171-1

SDG Number: 24E-04209

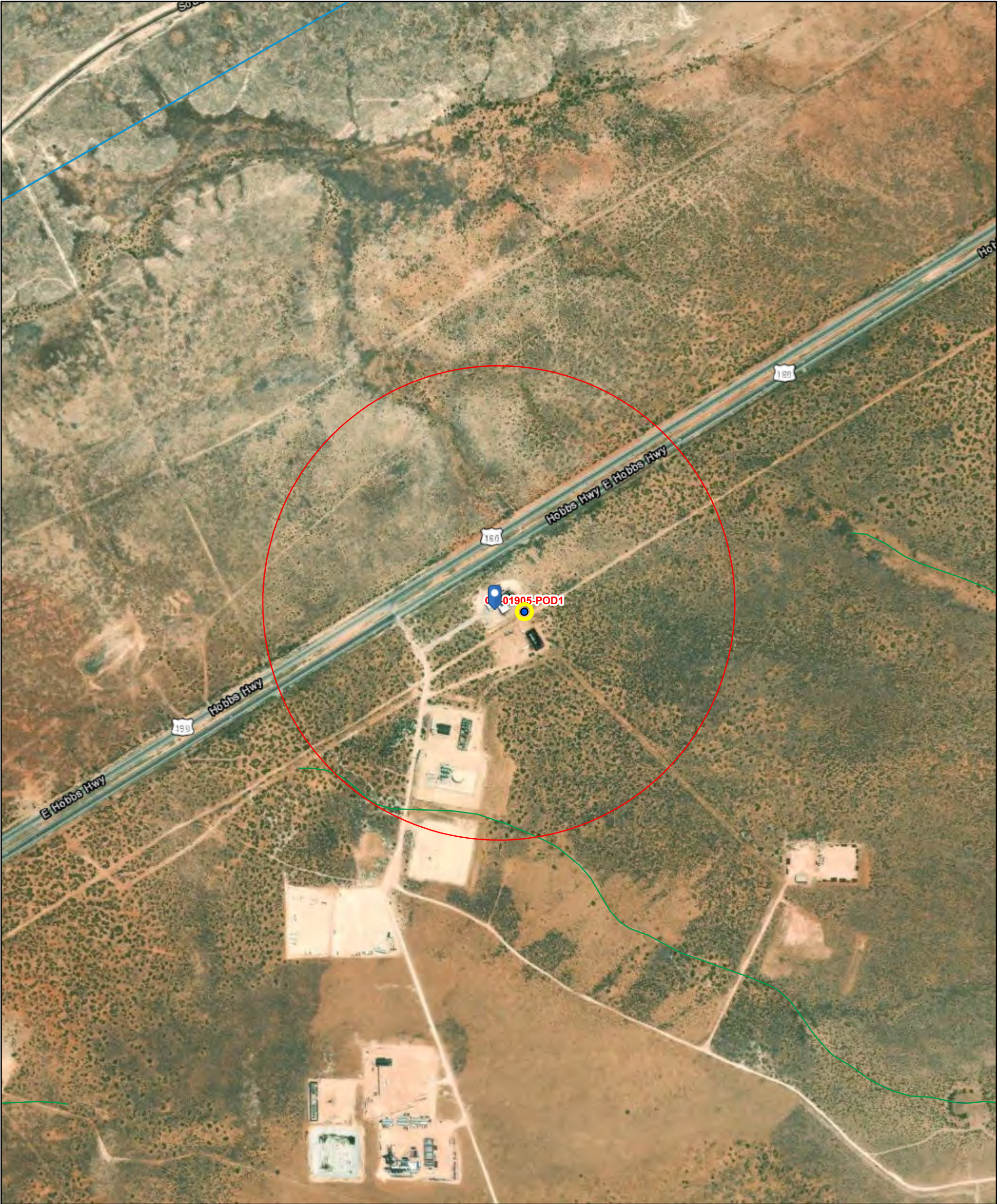
Login Number: 9171**List Number: 2****Creator: Dyal, Erica****List Source: Eurofins Midland****List Creation: 12/08/25 12:26 PM**

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	

ATTACHMENT 5
Closure Criteria Research

Closure Criteria Determination			
Site Name: Sand Point Reclamation Facility			
Spill Coordinates: 32.515855,-104.06135		X: 588228.16785	Y: 3597941.8893
Site Specific Conditions		Value	Unit
1	Depth to Groundwater (nearest reference)	160	feet
	Distance between release and nearest DTGW reference	183	feet
		0.04	miles
	Date of nearest DTGW reference measurement	August 31, 2024	
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	1,468	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	4,623	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	26,522	feet
5	i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or	237	feet
	ii) Within 1000 feet of any fresh water well or spring	237	feet
6	Within incorporated municipal boundaries or within a defined municipal fresh water field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended, unless the municipality specifically approves	No	(Y/N)
7	Within 300 feet of a wetland	1,468	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
	Distance between release and nearest registered mine	14,673	feet
9	Within an unstable area (Karst Map)	Medium	Critical High Medium Low
	Distance between release and nearest unstable area	249	feet
10	Within a 100-year Floodplain	100-500	year
	Distance between release and nearest FEMA Zone A (100-year Floodplain)	3,800	feet
11	Soil Type	Pajarito- Dune Land Complex	
12	Ecological Classification	Loamy Sand	
13	Geology	Qe Eolian	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	<50'	<50' 51-100' >100'

OSE POD Location Map



10/1/2024, 2:32:59 PM

GIS WATERS PODs

NHD Flowlines

● Active

— Artificial Path

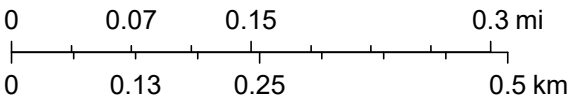
□ OSE District Boundary

— Stream River

Water Right Regulations

□ Artesian Planning Area

1:9,028




Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

Point of Diversion Summary

quarters are 1=NW 2=NE 3=SW 4=SE
quarters are smallest to largest

NAD83 UTM in meters

Well Tag	POD Nbr	Q64	Q16	Q4	Sec	Tw	Rng	X	Y	Map
21003	CP 01905 POD1	NW	SE	NW	02	21S	28E	588251.4	3598010.6	

* UTM location was derived from PLSS - see Help

Driller License:	1753	Driller Company:	VANGUARD WELL RESOURCES, LLC		
Driller Name:	FRIESSEN, JACOBONTEE.NER				
Drill Start Date:	2022-04-07	Drill Finish Date:	2022-04-08	Plug Date:	
Log File Date:	2022-04-26	PCW Rcv Date:		Source:	Shallow
Pump Type:		Pipe Discharge Size:		Estimated Yield:	5
Casing Size:	5.00	Depth Well:	210	Depth Water:	160

Water Bearing Stratifications:

Top	Bottom	Description
163	194	Other/Unknown

Casing Perforations:

Top	Bottom
170	210

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10/1/24 2:37 PM MST

Point of Diversion Summary

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Water Right Summary



[get image](#)
[list](#)

WR File Number:	CP 01905	Subbasin:	CP	Cross Reference:
Primary Purpose:	DOM 72-12-1 DOMESTIC ONE HOUSEHOLD			
Primary Status:	PMT Permit			
Total Acres:		Subfile:	Header:	
Total Diversion:	1.000	Cause/Case:		
Owner:	JAMES VARNER			

Documents on File

(acre-ft)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion
.get images	720063	72121	2022-02-24	PMT	LOG	CP 01905 POD1	T		1.000

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
CP 01905 POD1	21003	Shallow	NW	SE	NW	02	21S	28E	588251.4	3598010.6		










* UTM location was derived from PLSS - see Help

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10/1/24 2:56 PM MST

Water Rights Summary

Water Column/Average Depth to Water

<div>(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)</div> <div>(R=POD has been replaced, O=orphaned, C=the file is closed)</div> <div>(quarters are smallest to largest)</div> <div>(NAD83 UTM in meters)</div> <div>(In feet)</div>														
POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth
CP 01905 POD1		CP	ED	NW	SE	NW	02	21S	28E	588251.4	3598010.6		72	210
C 03266 POD1		CUB	ED	SW	SE	SE	04	21S	28E	585844.0	3596555.0 *		2758	260
CP 01908 POD1		CP	ED	SE	SE	SW	26	20S	29E	589591.5	3600462.2		2865	707
CP 01202 POD1		CP	ED	SE	SE	SW	26	20S	29E	589568.6	3600512.5		2899	173
CP 01908 POD2		CP	ED	SW	SW	SW	25	20S	29E	590461.7	3600556.3		3438	850
CP 00759		CP	ED		SE	NE	28	20S	29E	586984.0	3601360.0 *		3637	205
C 03267 POD1		CUB	ED	SE	SW	SW	04	21S	28E	584833.0	3596541.0 *		3672	52
CP 00516		CP	ED	SE	SE	SE	12	21S	28E	590901.0	3594984.0 *		3986	275
CP 01861 POD1		CP	ED	SE	NW	SE	08	21S	28E	584023.2	3595285.5		4973	160

	Average
	Minimum
	Maximum
<div><div></div></div>	

Record Count: 9

UTM Filters (in meters):

Easting: 588228.16785

Northing: 3597941.8893

Radius: 5000.0

* UTM location was derived from PLSS - see Help

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

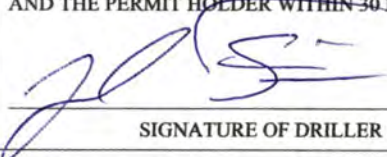
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) CP-01905 POD1		WELL TAG ID NO. 21003		OSE FILE NO(S). CP-01905			
	WELL OWNER NAME(S) JAMES VARNER				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 1113 GOLF COURSE RD				CITY ANDREWS	STATE TX	ZIP 79714	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 30	SECONDS 57.24 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SECTION 2 TOWNSHIP 21 SOUTH RANGE 28 EAST								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1753		NAME OF LICENSED DRILLER JACOB FRIESSEN			NAME OF WELL DRILLING COMPANY VANGUARD		
	DRILLING STARTED 04/07/2022	DRILLING ENDED 04/08/2022	DEPTH OF COMPLETED WELL (FT) 210		BORE HOLE DEPTH (FT) 210	DEPTH WATER FIRST ENCOUNTERED (FT) 160		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 175	DATE STATIC MEASURED 04/08/2022		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	-1	170	9.875	BLANK PVC SCH40	GLUE 5.5	5	.25	
	170	210	9.875	SCREEN PVC SCH40	GLUE 5.5	5	.25	.035
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	-1	20	9.875	CONCRETE	7	POURED		
	20	210	9.875	GRAVEL	70	POURED		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	CP-1905	POD NO.	POD1	TRN NO.	720063
LOCATION	2 215 282	1.4.1	WELL TAG ID NO.	21003	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	4	4	TOPSOIL	Y ✓ N	
	4	26	22	CALICHE	Y ✓ N	
	26	70	44	SAND	Y ✓ N	
	70	75	5	SAND & GRAVEL	Y ✓ N	
	75	86	11	SANDY CLAY	Y ✓ N	
	86	105	19	CLAY	Y ✓ N	
	105	108	3	ROCK	Y ✓ N	
	108	118	10	CLAY	Y ✓ N	
	118	120	2	ROCK	Y ✓ N	
	120	163	43	SAND & CLAY	Y ✓ N	
	163	194	31	SAND	✓ Y N	5.00
	194	210	16	RED CLAY	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:					TOTAL ESTIMATED WELL YIELD (gpm):	
<input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input checked="" type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:						
5. TEST; RIG SUPERVISION	WELL TEST TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.					
	MISCELLANEOUS INFORMATION:					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: WILHELM KRAHN					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:  JACOB FRIESSEN 04/20/2022 SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE					

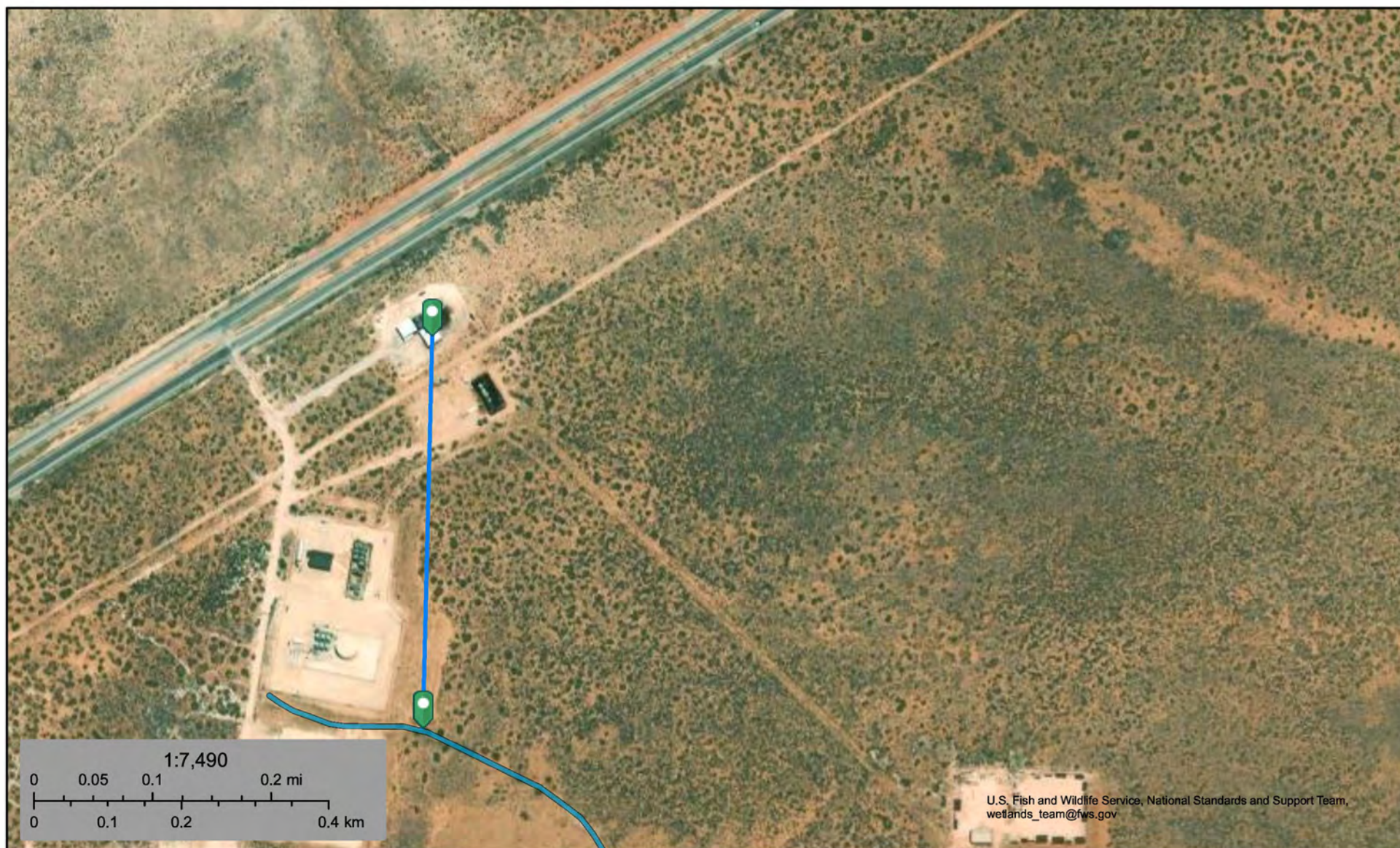
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	CP-1905	POD NO.	POD1	TRN NO.	720063
LOCATION	2 215 282	1.4.1	WELL TAG ID NO.	21503	PAGE 2 OF 2



Sand Point Reclamation Facility Intermittent Stream 1,468ft



October 1, 2024

Wetlands

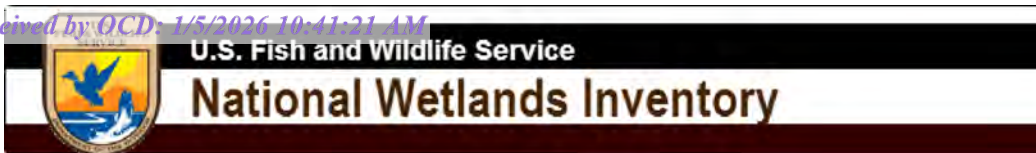
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- 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.





Sand Point Reclamation Facility Lake 28,940ft



October 1, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

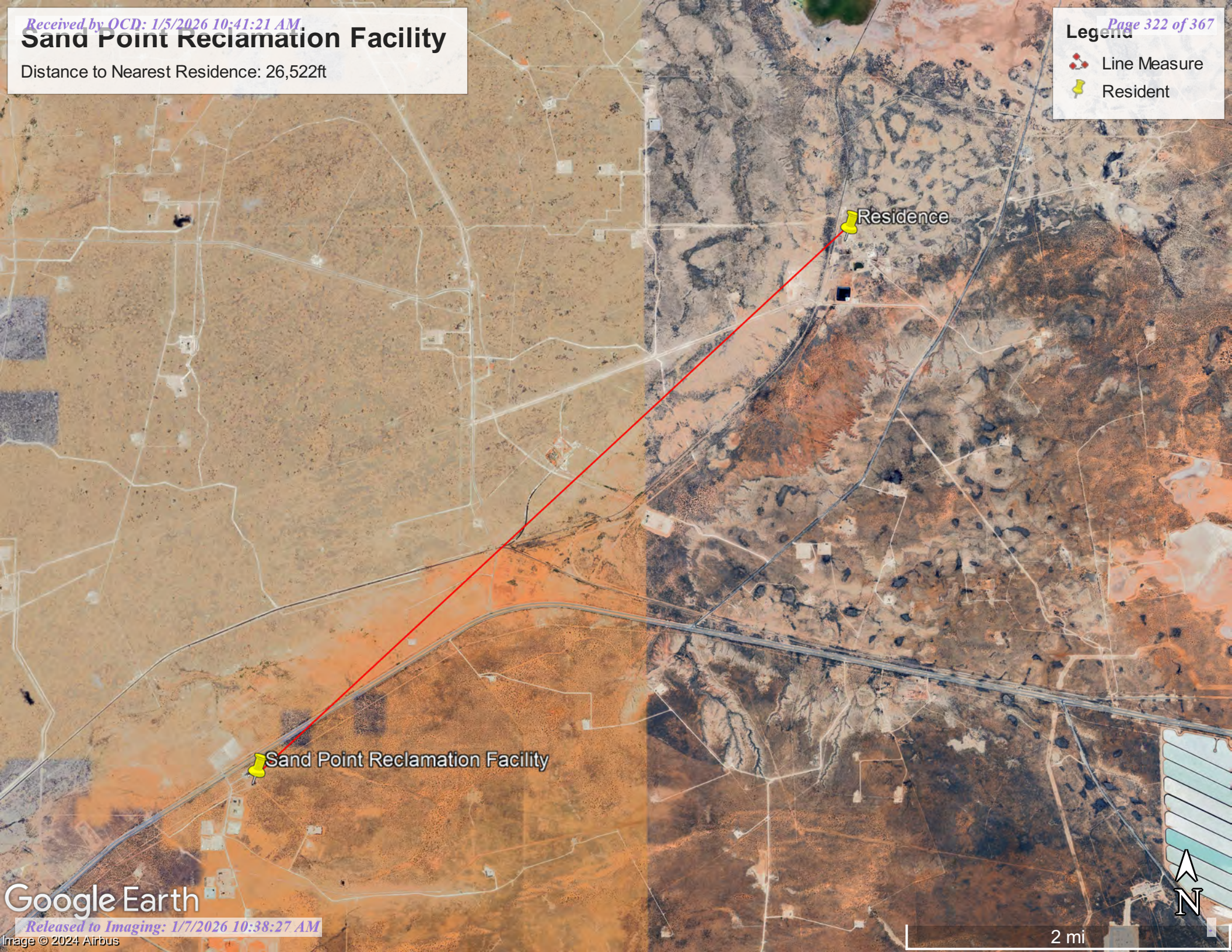
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Sand Point Reclamation Facility

Distance to Nearest Residence: 26,522ft

Legend

- Line Measure
- Resident



Active & Inactive Points of Diversion

(with Ownership Information)

		(acre ft per annum)						(R=POD has been replaced and no longer serves this file, C=the file is closed)			
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	
CP 01905	CP	DOM	1.000	JAMES VARNER	ED	CP 01905 POD1	21003			Shallow	



Record Count: 1

Filters Applied:

UTM Filters (in meters):

Easting: 588228.16785
Northing: 3597941.8893
Radius: 1610.0

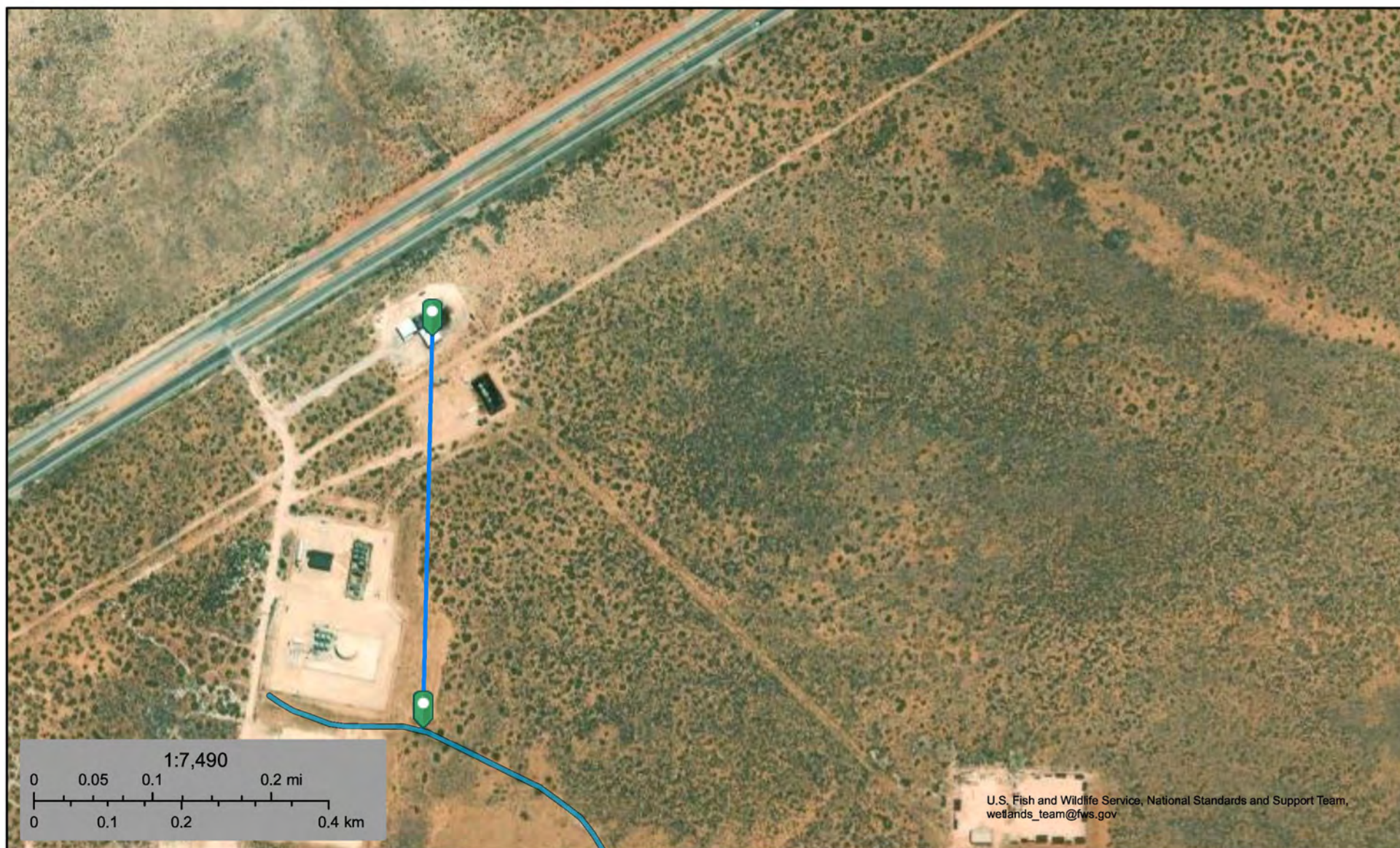
Sorted By: Distance

* UTM location was derived from PLSS - see Help

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Sand Point Reclamation Facility Intermittent Stream (Wetland) 1,468ft



October 1, 2024

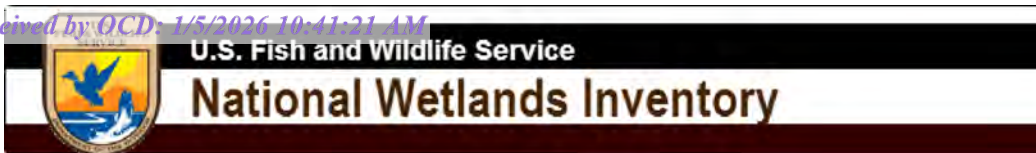
Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

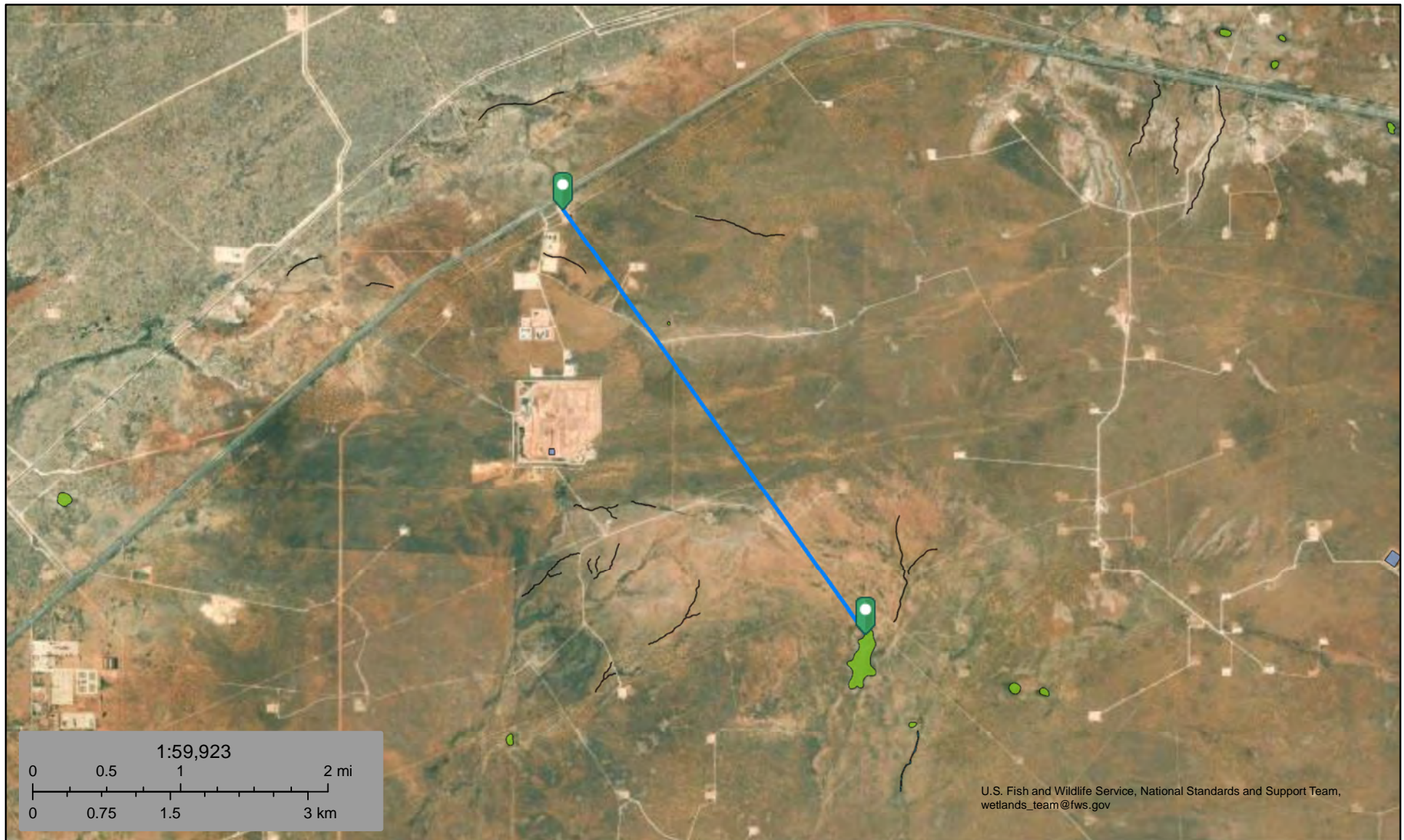
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- 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.



Sand Point Reclamation Facility Wetland 15,738ft



October 1, 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.

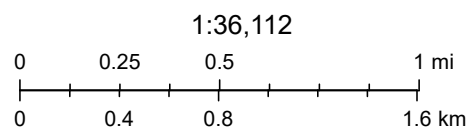
Sand Point Reclamation Facility Mine 14,673ft



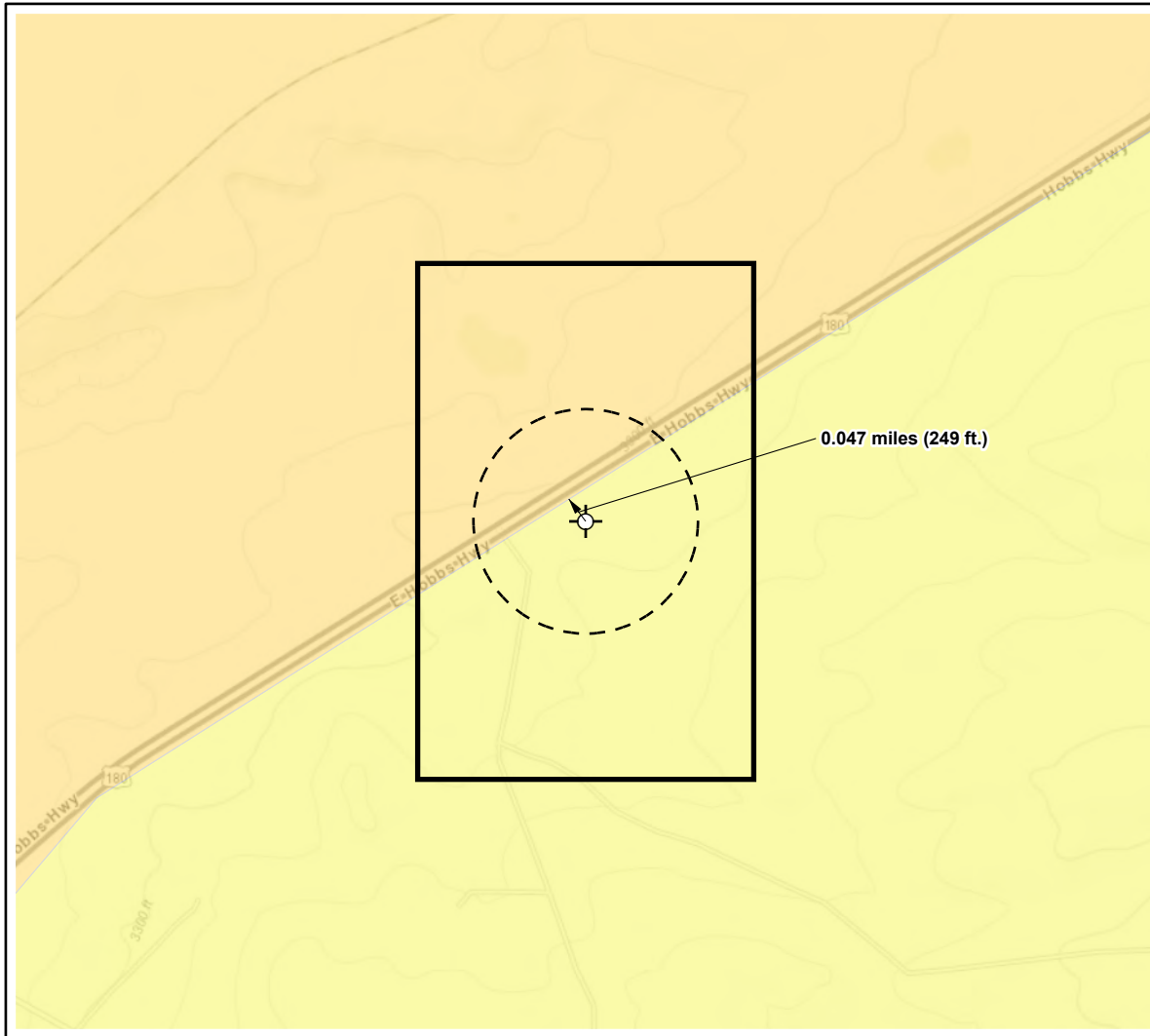
10/1/2024, 4:11:33 PM

Registered Mines

 Potash



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, GeoTechnologies, Inc., USGS, EPA, Esri, HERE



Karst Potential

- Critical
- High
- Medium
- Low



Site Location



Site Buffer (1000 ft.)

Overview Map

0 0.25 0.5 mi

Detail Map

0 150 300 600 ft



Map Center:
Lat/Long
32.516135°,-104.060885°

NAD 1983 UTM Zone 13N
Date: Oct 02/24



**Karst Potential Map
Sand Point Reclamation Facility**

Figure:

X



Geospatial data presented in this figure may be derived from external sources and Vertex does not assume any liability for inaccuracies. This figure is intended for reference use only and is not certified for legal, survey, or engineering purposes.




Note: Inset Map, Esri 2023; Overview Map: Esri World Topographic. Karst potential data sources from Roswell Field Office, Bureau of Land Management, 2020 or United States Department of the Interior, Bureau of Land Management, (2018). Karst Potential.

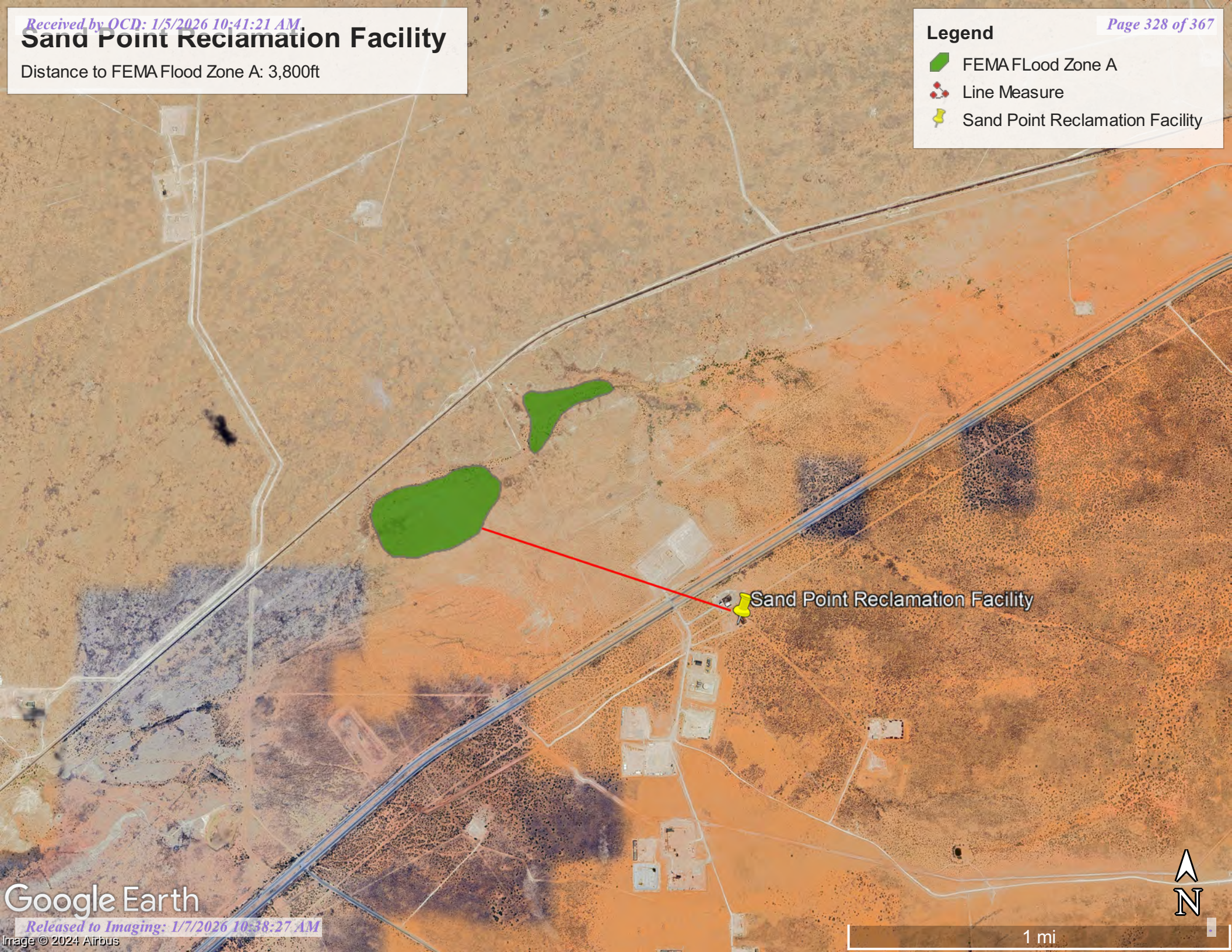
VERSATILITY. EXPERTISE.

Sand Point Reclamation Facility

Distance to FEMA Flood Zone A: 3,800ft

Legend

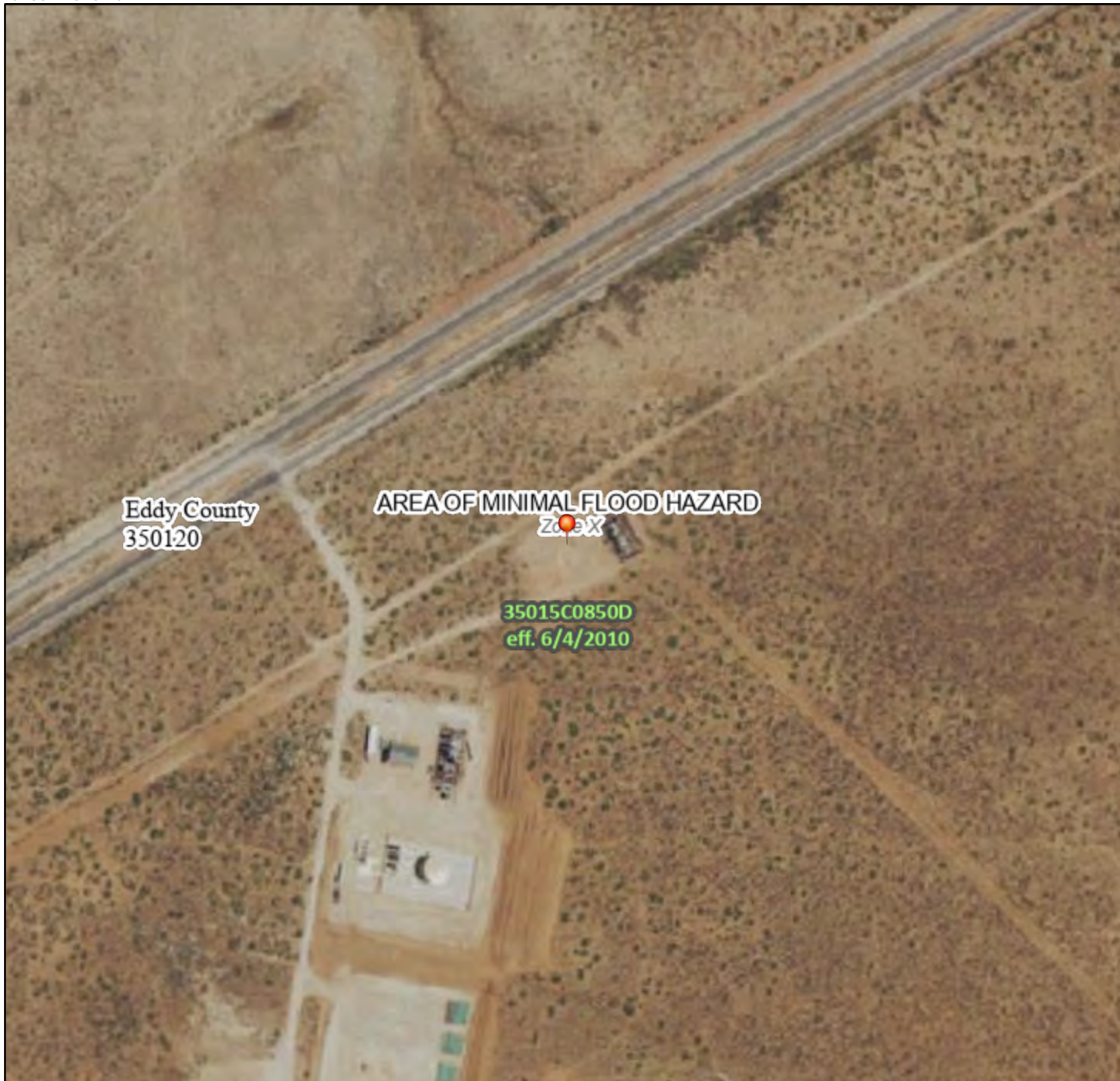
-  FEMA Flood Zone A
-  Line Measure
-  Sand Point Reclamation Facility



National Flood Hazard Layer FIRMMette



104°3'57"W 32°31'10"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°3'20"W 32°30'40"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **10/1/2024 at 6:14 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for Eddy Area, New Mexico



October 1, 2024

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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 Legend.....10

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 Map Unit Descriptions.....11

 Eddy Area, New Mexico.....13

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References..... 15

How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

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scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

Soil Map


The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

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Soil Map


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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)


Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit


 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole


 Slide or Slip


 Sodic Spot


 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals


Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 20, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Nov 12, 2022—Dec 2, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PD	Pajarito-Dune land complex, 0 to 3 percent slopes	4.6	100.0%
Totals for Area of Interest		4.6	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

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An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

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Eddy Area, New Mexico**PD—Pajarito-Dune land complex, 0 to 3 percent slopes****Map Unit Setting**

National map unit symbol: 1w55
Elevation: 3,000 to 5,000 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 190 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Pajarito and similar soils: 46 percent
Dune land: 45 percent
Minor components: 9 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pajarito**Setting**

Landform: Plains, interdunes, dunes
Landform position (three-dimensional): Side slope
Down-slope shape: Convex, linear
Across-slope shape: Linear, convex
Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 9 inches: fine sandy loam
H2 - 9 to 36 inches: fine sandy loam
H3 - 36 to 72 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Custom Soil Resource Report

Description of Dune Land

Setting

Landform: Dune fields

Landform position (two-dimensional): Shoulder, backslope, footslope

Landform position (three-dimensional): Talf

Down-slope shape: Convex, linear

Across-slope shape: Convex, linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 6 inches: sandy loam

H2 - 6 to 60 inches: sandy loam

Interpretive groups

Land capability classification (irrigated): None specified

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Minor Components

Rock outcrop

Percent of map unit: 5 percent

Hydric soil rating: No

Largo

Percent of map unit: 4 percent

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

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Ecological site R070BD003NM Loamy Sand

Accessed: 10/01/2024

General information

Provisional. A provisional ecological site description has undergone quality control and quality assurance review. It contains a working state and transition model and enough information to identify the ecological site.

Figure 1. Mapped extent

Areas shown in blue indicate the maximum mapped extent of this ecological site. Other ecological sites likely occur within the highlighted areas. It is also possible for this ecological site to occur outside of highlighted areas if detailed soil survey has not been completed or recently updated.

Associated sites

R070BD004NM	Sandy Sandy
R070BD005NM	Deep Sand Deep Sand

Table 1. Dominant plant species

Tree	Not specified
Shrub	Not specified
Herbaceous	Not specified

Physiographic features

This site is on uplands, plains, dunes, fan piedmonts and in inter dunal areas. The parent material consists of mixed alluvium and or eolian sands derived from sedimentary rock. Slope range on this site range from 0 to 9 percent with the average of 5 percent.

Low stabilized dunes may occur occasionally on this site. Elevations range from 2,800 to 5,000 feet.

Table 2. Representative physiographic features

Landforms	(1) Fan piedmont (2) Alluvial fan (3) Dune
Elevation	2,800–5,000 ft
Slope	0–9%
Aspect	Aspect is not a significant factor

Climatic features

The average annual precipitation ranges from 8 to 13 inches. Variations of 5 inches, more or less, are common. Over 80 percent of the precipitation falls from April through October. Most of the summer precipitation comes in the form of high intensity-short duration thunderstorms. Temperatures are characterized by distinct seasonal changes and large annual and diurnal temperature changes.

The average annual temperature is 61 degrees with extremes of 25 degrees below zero in the winter to 112 degrees in the summer.

The average frost-free season is 207 to 220 days. The last killing frost being late March or early April and the first killing frost being in later October or early November.

Temperature and rainfall both favor warm season perennial plant growth. In years of abundant spring moisture, annual forbs and cool season grasses can make up an important component of this site. Strong winds blow from the southwest from January through June, which accelerates soil drying during a critical period for cool season plant growth.

Climate data was obtained from <http://www.wrcc.sage.dri.edu/summary/climsmnm.html> web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

Table 3. Representative climatic features

Frost-free period (average)	221 days
Freeze-free period (average)	240 days
Precipitation total (average)	13 in

Influencing water features

This site is not influenced from water from wetlands or streams.

Soil features

Soils are moderately deep or very deep. Surface textures are loamy fine sand, fine sandy loam, loamy very fine sand or gravelly sandy loam.

Subsurface is a loamy fine sand, coarse sandy loam, fine sandy loam or loam that averages less than 18 percent clay and less than 15 percent carbonates.

Substratum is a fine sandy loam or gravelly fine sandy loam with less than 15 percent gravel and with less than 40 percent calcium carbonate. Some layers high in lime or with caliche fragments may occur at depths of 20 to 30 inches.

These soils, if unprotected by plant cover and organic residue, become wind blown and low hummocks are formed.

Minimum and maximum values listed below represent the characteristic soils for this site.

Characteristic soils are:

Maljamar
Berino
Parjarito
Palomas
Wink
Pyote

Table 4. Representative soil features

Surface texture	(1) Fine sand (2) Fine sandy loam (3) Loamy fine sand
Family particle size	(1) Sandy
Drainage class	Well drained to somewhat excessively drained
Permeability class	Moderate to moderately rapid

Soil depth	40–72 in
Surface fragment cover ≤3"	0–10%
Surface fragment cover >3"	0%
Available water capacity (0–40in)	5–7 in
Calcium carbonate equivalent (0–40in)	3–40%
Electrical conductivity (0–40in)	2–4 mmhos/cm
Sodium adsorption ratio (0–40in)	0–2
Soil reaction (1:1 water) (0–40in)	6.6–8.4
Subsurface fragment volume ≤3" (Depth not specified)	4–12%
Subsurface fragment volume >3" (Depth not specified)	0%

Ecological dynamics

Overview

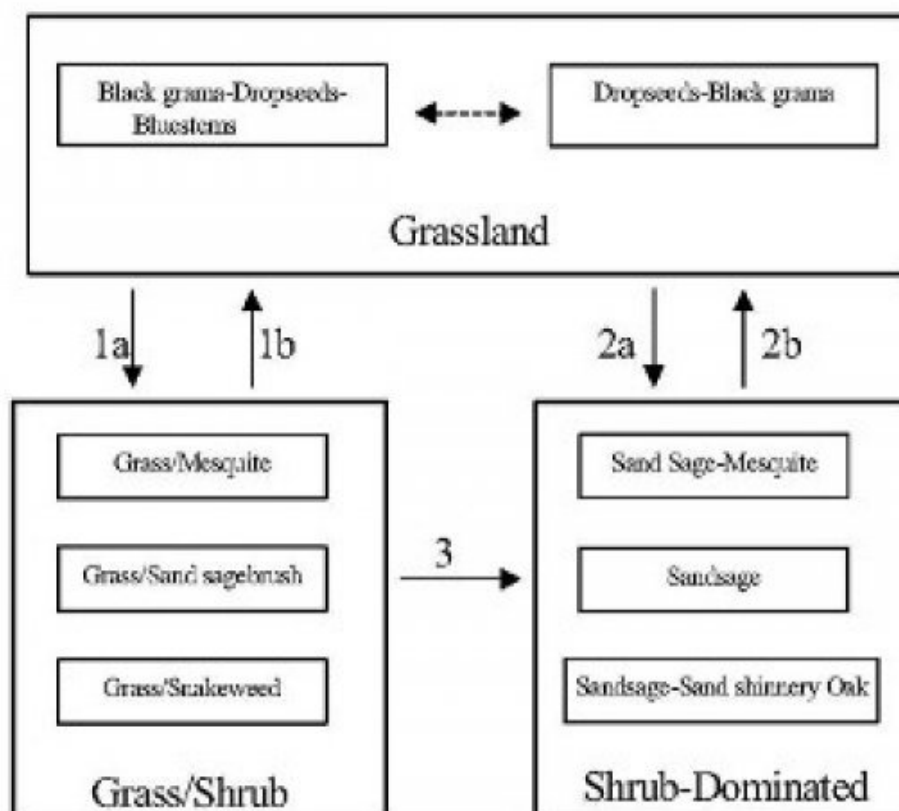
The Loamy Sand site intergrades with the Deep Sand and Sandy sites (SD-3). These sites can be differentiated by surface soil texture and depth to a textural change. Loamy Sand and Deep Sand sites have coarse textured (sands and loamy sand) surface soils while Sandy sites have moderately coarse textured (sandy loam and fine sandy loam) surfaces. Although Loamy Sand and Deep Sand sites have similar surface textures, the depth to a textural change is different—Loamy Sand sub-surface textures typically increase in clay at approximately 20 to 30 inches, and Deep Sand sites not until around 40 inches.

The historic plant community of Loamy Sand sites is dominated by black grama (*Bouteloua eriopoda*), dropseeds (*Sporobolus flexuosus*, *S. contractus*, *S. cryptandrus*), and bluestems (*Schizachyrium scoparium* and *Andropogon hallii*), with scattered shinnery oak (*Quercus havardii*) and sand sage (*Artemisia filifolia*). Perennial and annual forb abundance and distribution are dependent on precipitation. Litter and to a lesser extent, bare ground, are a significant proportion of ground cover while grasses compose the remainder. Decreases in black grama indicate a transition to either a grass/shrub or shrub-dominated state. The grass/shrub state is composed of grasses/honey mesquite (*Prosopis glandulosa*), grasses/broom snakeweed (*Gutierrezia sarothrae*), or grasses/sand sage. The shrub-dominated state occurs after a severe loss of grass cover and a prevalence of sand sage with secondary shinnery oak and mesquite. Heavy grazing intensity and/or drought are influential drivers in decreasing black grama and bluestems and subsequently increasing shrub cover, erosion, and bare patches. Historical fire suppression also encourages shrub pervasiveness and a competitive advantage over grass species (McPherson 1995). Brush and grazing management, however, may reverse grass/shrub and shrub-dominated states toward the grassland-dominated historic plant community.

State and transition model

Plant Communities and Transitional Pathways (diagram):

MLRA-42, SD-3, Loamy Sand



1a. Drought, over grazing, fire suppression.

1b. Brush control, prescribed grazing

2.a Severe loss of grass cover, fire suppression, erosion.

2b. Brush control, seeding, prescribed grazing.

3. Continued loss of grass cover, erosion.

State 1

Historic Climax Plant Community

Community 1.1

Historic Climax Plant Community

Grassland: The historic plant community is a uniformly distributed grassland dominated by black grama, dropseeds, and bluestems. Sand sage and shinnery oak are evenly dispersed throughout the grassland due to the coarse soil

surface texture. Perennial and annual forbs are common but their abundance and distribution are reflective of precipitation. Bluestems initially, followed by black grama, decrease with drought and heavy grazing intensity. Historical fire frequency is unknown but likely occurred enough to remove small shrubs to the competitive advantage of grass species. Fire suppression, drought conditions, and excessive grazing drive most grass species out of competition with shrub species. Diagnosis: Grassland dominated by black grama, dropseeds, and bluestems. Shrubs, such as sand sage, shinnery oak, and mesquite are dispersed throughout the grassland. Forbs are present and populations fluctuate with precipitation variability.

Table 5. Annual production by plant type

Plant Type	Low (Lb/Acre)	Representative Value (Lb/Acre)	High (Lb/Acre)
Grass/Grasslike	442	833	1224
Forb	110	208	306
Shrub/Vine	98	184	270
Total	650	1225	1800

Table 6. Ground cover

Tree foliar cover	0%
Shrub/vine/liana foliar cover	0%
Grass/grasslike foliar cover	28%
Forb foliar cover	0%
Non-vascular plants	0%
Biological crusts	0%
Litter	50%
Surface fragments >0.25" and <=3"	0%
Surface fragments >3"	0%
Bedrock	0%
Water	0%
Bare ground	22%

Figure 5. Plant community growth curve (percent production by month). NM2803, R042XC003NM-Loamy Sand-HCPC. SD-3 Loamy Sand - Warm season plant community .

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
0	0	3	5	10	10	25	30	12	5	0	0

State 2
Grass/Shrub

Community 2.1
Grass/Shrub



Grass/Shrub State: The grass/shrub state is dominated by communities of grasses/mesquite, grasses/snakeweed, or grasses/sand sage. Decreases in black grama and bluestem species lead to an increase in bare patches and mesquite which further competes with grass species. An increase of dropseeds and threeawns occurs. Grass distribution becomes more patchy with an absence or severe decrease in black grama and bluestems. Mesquite provides nitrogen and soil organic matter to co-dominant grasses (Ansley and Jacoby 1998, Ansley et al. 1998). Mesquite mortality when exposed to fire is low due to aggressive resprouting abilities. Herbicide application combined with subsequent prescribed fire may be more effective in mesquite reduction (Britton and Wright 1971). **Diagnosis:** This state is dominated by an increased abundance of communities including grass/mesquite, grass/snakeweed, or grass/sand sage. Dropseeds and threeawns have a patchy distribution. **Transition to Grass/Shrub State (1a):** The historic plant community begins to shift toward the grass/shrub state as drivers such as drought, fire suppression, interspecific competition, and excessive grazing contribute to alterations in soil properties and herbaceous cover. Cover loss and surface soil erosion are initial indicators of transition followed by a decrease in black grama with a subsequent increase of dropseeds, threeawns, mesquite, and snakeweed. Snakeweed has been documented to outcompete black grama especially under conditions of fire suppression and drought (McDaniel et al. 1984). **Key indicators of approach to transition:** • Loss of black grama cover • Surface soil erosion • Bare patch expansion • Increased dropseed/threeawn and mesquite, snakeweed, or sand sage abundances **Transition to Historic Plant Community (1b):** Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community.

State 3 Shrub Dominated

Community 3.1 Shrub Dominated

Shrub-Dominated State: The shrub-dominated state results from a severe loss of grass cover. This state's primary species is sand sage. Shinnery oak and mesquite also occur; however, grass cover is limited to intershrub distribution. Sand sage stabilizes light sandy soils from wind erosion, which enhances protected grass/forb cover (Davis and Bonham 1979). However, shinnery oak also responds to the sandy soils with dense stands due to an

aggressive rhizome system. Shinnery oak's extensive root system promotes competitive exclusion of grasses and forbs. Sand sage, shinnery oak, and mesquite can be controlled with herbicide (Herbel et al. 1979, Pettit 1986). Transition to Shrub-Dominated (2a): Severe loss of grass species with increased erosion and fire suppression will result in a transition to a shrub-dominated state with sand sage, Shin oak, and honey mesquite directly from the grassland-dominated state. Key indicators of approach to transition: • Severe loss of grass species cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite abundance Transition to Historic Plant Community (2b): Brush and grazing management may restore the grassland component and reverse shrub or grass/shrub dominated states back toward the historic plant community. In addition, seeding with native grass species will augment the transition to a grassland-dominated state. Transition to Shrub-Dominated (3): If the grass/shrub site continues to lose grass cover with soil erosion, the site will transition to a shrub-dominated state with sand sage, shinnery oak, and honey mesquite. Key indicators of approach to transition: • Continual loss of dropseeds/threawns cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite/dropseed/threawn and mesquite/snakeweed abundance

Additional community tables

Table 7. Community 1.1 plant community composition

Group	Common Name	Symbol	Scientific Name	Annual Production (Lb/Acre)	Foliar Cover (%)
Grass/Grasslike					
1	Warm Season			61–123	
	little bluestem	SCSC	<i>Schizachyrium scoparium</i>	61–123	–
2	Warm Season			37–61	
	sand bluestem	ANHA	<i>Andropogon hallii</i>	37–61	–
3	Warm Season			37–61	
	cane bluestem	BOBA3	<i>Bothriochloa barbinodis</i>	37–61	–
	silver bluestem	BOSA	<i>Bothriochloa saccharoides</i>	37–61	–
4	Warm Season			123–184	
	black grama	BOER4	<i>Bouteloua eriopoda</i>	123–184	–
	bush muhly	MUPO2	<i>Muhlenbergia porteri</i>	123–184	–
5	Warm Season			123–184	
	thin paspalum	PASE5	<i>Paspalum setaceum</i>	123–184	–
	plains bristlegrass	SEVU2	<i>Setaria vulpiseta</i>	123–184	–
	fringed signalgrass	URCI	<i>Urochloa ciliatissima</i>	123–184	–
6	Warm Season			123–184	
	spike dropseed	SPCO4	<i>Sporobolus contractus</i>	123–184	–
	sand dropseed	SPCR	<i>Sporobolus cryptandrus</i>	123–184	–
	mesa dropseed	SPFL2	<i>Sporobolus flexuosus</i>	123–184	–
7	Warm Season			61–123	
	hooded windmill grass	CHCU2	<i>Chloris cucullata</i>	61–123	–
	Arizona cottontop	DICA8	<i>Digitaria californica</i>	61–123	–
9	Other Perennial Grasses			37–61	
	Grass, perennial	2GP	<i>Grass, perennial</i>	37–61	–
Shrub/Vine					
8	Warm Season			37–61	
	New Mexico feathergrass	HENE5	<i>Hesperostipa neomexicana</i>	37–61	–
	giant dropseed	SPGI	<i>Sporobolus giganteus</i>	37–61	–
10	Shrub			61–123	

	sand sagebrush	ARFI2	<i>Artemisia filifolia</i>	61–123	–
	Havard oak	QUHA3	<i>Quercus havardii</i>	61–123	–
11	Shrub			34–61	
	fourwing saltbush	ATCA2	<i>Atriplex canescens</i>	37–61	–
	featherplume	DAFO	<i>Dalea formosa</i>	37–61	–
12	Shrub			37–61	
	jointfir	EPHED	<i>Ephedra</i>	37–61	–
	littleleaf ratany	KRER	<i>Krameria erecta</i>	37–61	–
13	Other Shrubs			37–61	
	Shrub (>.5m)	2SHRUB	<i>Shrub (>.5m)</i>	37–61	–
Forb					
14	Forb			61–123	
	leatherweed	CRPOP	<i>Croton pottsii</i> var. <i>pottsii</i>	61–123	–
	Indian blanket	GAPU	<i>Gaillardia pulchella</i>	61–123	–
	globemallow	SPHAE	<i>Sphaeralcea</i>	61–123	–
15	Forb			12–37	
	woolly groundsel	PACA15	<i>Packera cana</i>	12–37	–
16	Forb			61–123	
	touristplant	DIWI2	<i>Dimorphocarpa wislizeni</i>	61–123	–
	woolly plantain	PLPA2	<i>Plantago patagonica</i>	61–123	–
17	Other Forbs			37–61	
	Forb (herbaceous, not grass nor grass-like)	2FORB	<i>Forb (herbaceous, not grass nor grass-like)</i>	37–61	–

Animal community

This Ecological Site provides habitat which supports a resident animal community that is characterized by pronghorn antelope, desert cottontail, spotted ground squirrel, black-tailed prairie dog, yellow faced pocket gopher, Ord's kangaroo rat, northern grasshopper mouse, southern plains woodrat, badger, roadrunner, meadowlark, burrowing owl, white necked raven, lesser prairie chicken, morning dove, scaled quail, Harris hawk, side blotched lizard, marbled whiptail, Texas horned lizard, western diamondback rattlesnake, dusty hognose snake and ornate box turtle.

Where mesquite has invaded, most resident birds and scissor-tailed flycatcher, morning dove and Swainson's hawk, nest. Vesper and grasshopper sparrows utilize the site during migration.

Hydrological functions

The runoff curve numbers are determined by field investigations using hydraulic cover conditions and hydrologic soil groups.

Hydrologic Interpretations

Soil Series Hydrologic Group

Berino B

Kinco A

Maljamar B

Pajarito B

Palomas B

Wink B

Pyote A

Recreational uses

This site offers recreation potential for hiking, borseback riding, nature observation, photography and hunting. During years of abundant spring moisture, this site displays a colorful array of wildflowers during May and June.

Wood products

This site has no potential for wood products.

Other products

This site is suitable for grazing by all kinds and classes of livestock at any time of year. In cases where this site has been invaded by brush species it is especially suited for goats. Mismanagement of this site will cause a decrease in species such as the bluestems, black grama, bush muhly, plains bristlegrass, New Mexico feathergrass, Arizona cottontop and fourwing saltbush. A corresponding increase in the dropseeds, windmill grass, fall witchgrass, silver bluestem, sand sagebrush, shinery oak and ephedra will occur. This will also cause an increase in bare ground which will increase soil erodibility. This site will respond well to a system of management that rotates the season of use.

Other information

Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month

Similarity Index Ac/AUM

100 - 76 2.3 – 3.5

75 – 51 3.0 – 4.5

50 – 26 4.6 – 9.0

25 – 0 9.1 +

Inventory data references

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Desertic Basins, Plains and Mountains, Major Land Resource Areas of New Mexico. This site has been mapped and correlated with soils in the following soil surveys. Eddy County, Lea County, and Chaves County.

Other references

Literature Cited:

Ansley, R. J.; Jacoby, P. W. 1998. Manipulation of fire intensity to achieve mesquite management goals in north Texas. In: Pruden, Teresa L.; Brennan, Leonard A., eds. Fire in ecosystem management: shifting the paradigm from suppression to prescription: Proceedings, Tall Timbers fire ecology conference; 1996 May 7-10; Boise, ID. No. 20. Tallahassee, FL: Tall Timbers Research Station: 195-204.

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Britton, Carlton M.; Wright, Henry A. 1971. Correlation of weather and fuel variables to mesquite damage by fire. Journal of Range Management 24:136-141.

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Herbel, C. H, Steger, R, Gould, W. L. 1974. Managing semidesert ranges of the Southwest Circular 456. Las Cruces, NM: New Mexico State University, Cooperative Extension Service. 48 p.

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McPherson, Guy R. 1995. The role of fire in the desert grasslands. In: McClaran, Mitchel P.; Van Devender, Thomas R., eds. The desert grassland. Tucson, AZ: The University of Arizona Press: 130-151.

Pettit, Russell D. 1986. Sand shinnery oak: control and management. Management Note 8. Lubbock, TX: Texas Tech University, College of Agricultural Sciences, Department of Range and Wildlife Management. 5 p.

Contributors

Don Sylvester
Quinn Hodgson

Rangeland health reference sheet

Interpreting Indicators of Rangeland Health is a qualitative assessment protocol used to determine ecosystem condition based on benchmark characteristics described in the Reference Sheet. A suite of 17 (or more) indicators are typically considered in an assessment. The ecological site(s) representative of an assessment location must be known prior to applying the protocol and must be verified based on soils and climate. Current plant community cannot be used to identify the ecological site.

Author(s)/participant(s)	
Contact for lead author	
Date	
Approved by	
Approval date	
Composition (Indicators 10 and 12) based on	Annual Production

Indicators

1. Number and extent of rills:

2. Presence of water flow patterns:

3. Number and height of erosional pedestals or terracettes:

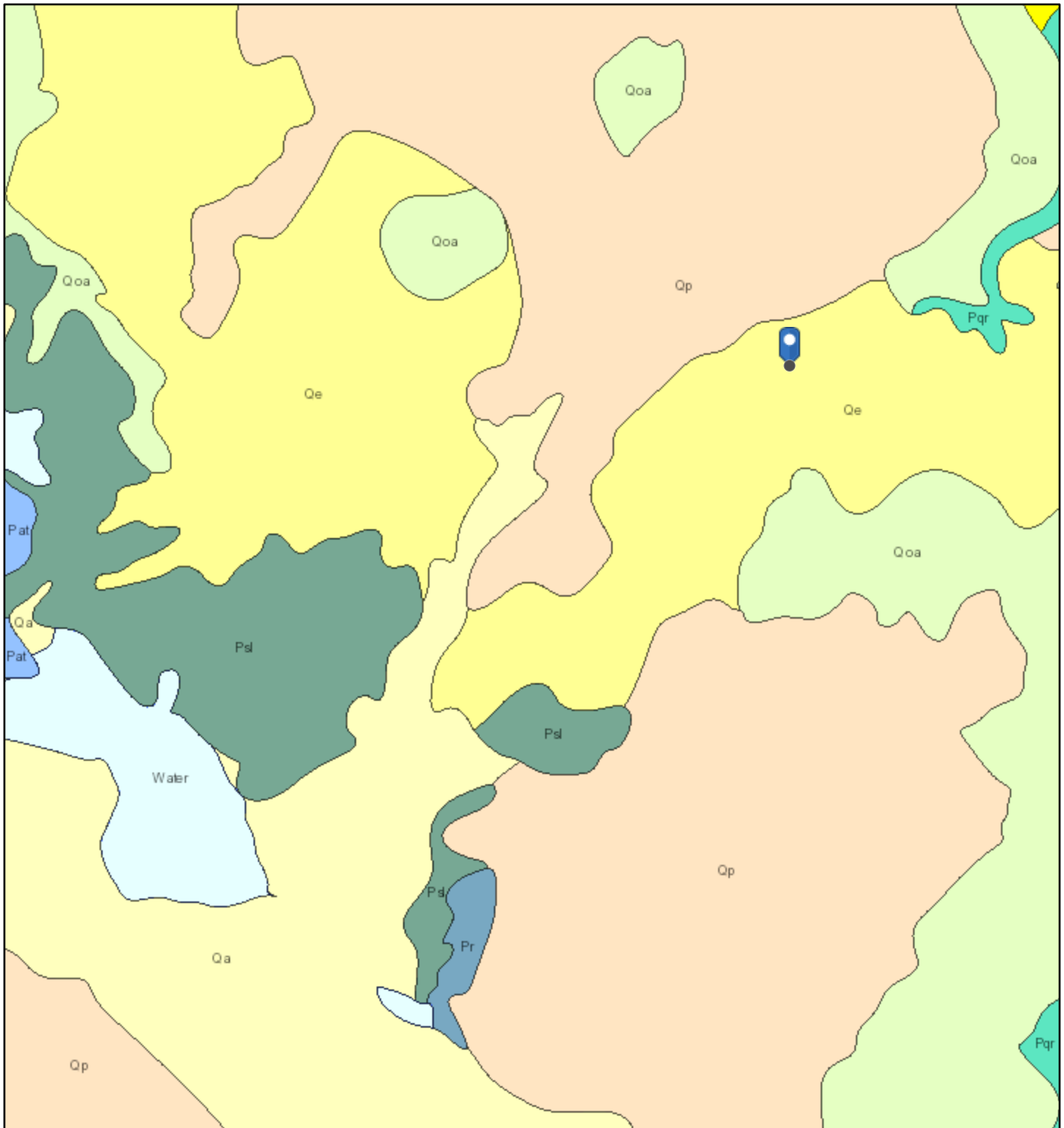
4. Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground):

5. Number of gullies and erosion associated with gullies:

6. Extent of wind scoured, blowouts and/or depositional areas:

7. **Amount of litter movement (describe size and distance expected to travel):**
-
8. **Soil surface (top few mm) resistance to erosion (stability values are averages - most sites will show a range of values):**
-
9. **Soil surface structure and SOM content (include type of structure and A-horizon color and thickness):**
-
10. **Effect of community phase composition (relative proportion of different functional groups) and spatial distribution on infiltration and runoff:**
-
11. **Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken for compaction on this site):**
-
12. **Functional/Structural Groups (list in order of descending dominance by above-ground annual-production or live foliar cover using symbols: >>, >, = to indicate much greater than, greater than, and equal to):**
- Dominant:
- Sub-dominant:
- Other:
- Additional:
-
13. **Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence):**
-
14. **Average percent litter cover (%) and depth (in):**
-
15. **Expected annual annual-production (this is TOTAL above-ground annual-production, not just forage annual-production):**
-
16. **Potential invasive (including noxious) species (native and non-native). List species which BOTH characterize degraded states and have the potential to become a dominant or co-dominant species on the ecological site if their future establishment and growth is not actively controlled by management interventions. Species that become dominant for only one to several years (e.g., short-term response to drought or wildfire) are not invasive plants. Note that unlike other indicators, we are describing what is NOT expected in the reference state for the ecological site:**
-

Sand Point Reclamation Facility Geology

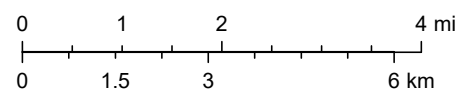


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Lithologic Units

- Playa—Alluvium and evaporite deposits (Holocene)
- Water—Perennial standing water
- Qa—Alluvium (Holocene to upper Pleistocene)



Esri, NASA, NGA, USGS, NMBGMR, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS

ArcGIS Web AppBuilder

ATTACHMENT 6

Volume Calculations



December 18, 2025

New Mexico Oil Conservation Division
1000 Rio Brazos Road
Aztec, NM 87410

Attention: Britney Hall

Re: Initial C-141
Incident Number nAPP2422050186
Sandpoint Reclamation Facility PWS
Facility ID: fVV2130741319

NMOCD:

The incident occurred October 22, 2023, on site due to a fire at the facility causing a best guess estimate of approximately 682 barrels (bbls) of fluids released. The fluid volume includes produced water, crude oil, and fire suppressants fluids. Of the estimated 682 bbls, approximately 521 bbls of fluid was contained within the tank battery secondary containment and was recovered. An unknown amount was lost in the immediate area around the tank battery due to firefighting activities and fire suppressing fluids.

For reporting, Production Waste Solutions (PWS) will report the spill volume as unknown due to the firefighting activities increase the total spill count to undetermined volume, and will report the fluid recovered as the tank battery volume and 3 compromised tanks of approximately 521 bbl.

Vertex Energy submits this initial C-141 report for the above referenced incident. We respectfully ask NMOCD for approval of the estimated spill volume calculated in good faith.

Closure

All data collected by Vertex is proprietary information of Produced Waste Solutions and will not be shared without express consent of client representatives.

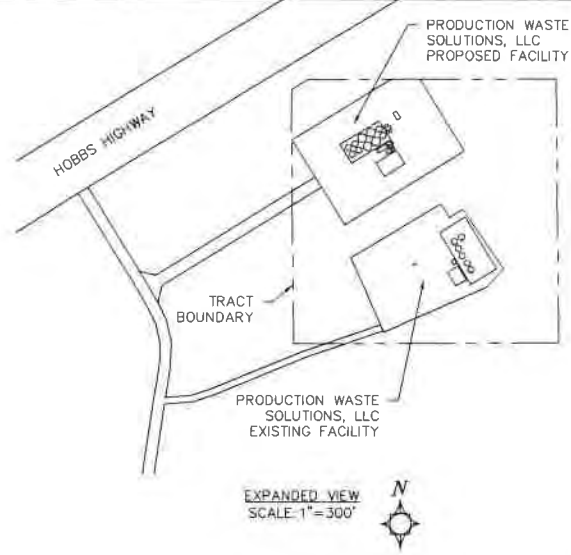
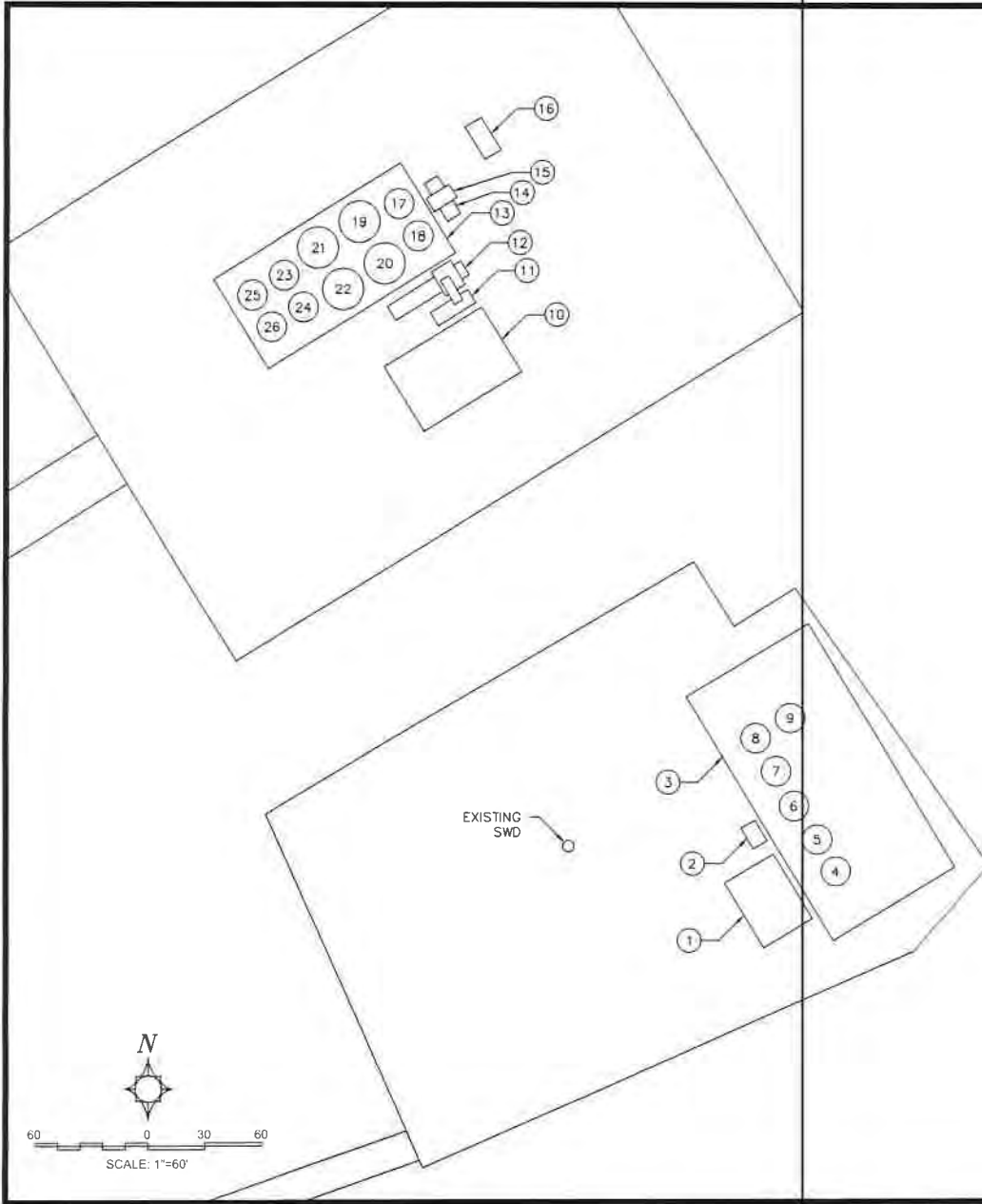
We trust this document meets your present requirements. Should you have any questions regarding its content, please do not hesitate to contact the undersigned at 575.200-6167 or chensley@vertexresource.com.

A handwritten signature in black ink, appearing to read 'Chad Hensley'.

Sincerely,
Chad Hensley

vertex.ca

3101 Boyd Drive, Carlsbad, New Mexico 88220, USA | P 575.725.5001



PROPOSED PRODUCTION WASTE SOLUTIONS, LLC EQUIPMENT				
#	DESCRIPTION	DIMENSIONS	MATERIAL	VOLUME
1	UNLOADING BAY	40'x30'x1'	CONCRETE	---
2	BUILDING	12.5'x8.5'x9'	STEEL	---
3	TANK CONTAINMENT	150'x75'x3'	CONCRETE	---
4	PROCESSING TANK	15.5'øx24'	STEEL	750 BBL
5	PROCESSING TANK	15.5'øx24'	STEEL	750 BBL
6	PROCESSING TANK	15.5'øx24'	STEEL	750 BBL
7	SEPARATED WATER TANK	15.5'øx16'	STEEL	500 BBL
8	SEPARATED WATER TANK	15.5'øx16'	STEEL	500 BBL
9	SALE OIL TANK	15.5'øx16'	STEEL	500 BBL
10	UNLOADING BAY	60'x40'x1'	CONCRETE	---
11	SOLIDS ROLL-OFF BOX	23'x8'x4.5'	STEEL	96 BBL
12	SHAKER/UNLOADING TANK	45'x8.5'x8'	STEEL	500 BBL
13	TANK CONTAINMENT	115'x55'x3'	CONCRETE	---
14	SOLIDS ROLL-OFF BOX	23'x8'x4.5'	STEEL	96 BBL
15	CENTRIFUGE	1.5'øx6'	STEEL	1 BBL
16	HEATER	20'x10'x8'	STEEL	6 BBL
17	PROCESSING TANK	15.5'øx16'	STEEL	500 BBL
18	PROCESSING TANK	15.5'øx24'	STEEL	750 BBL
19	UNLOADING TANK	21.5'øx16'	STEEL	1000 BBL
20	UNLOADING TANK	21.5'øx16'	STEEL	1000 BBL
21	UNLOADING TANK	21.5'øx16'	STEEL	1000 BBL
22	UNLOADING TANK	21.5'øx16'	STEEL	1000 BBL
23	SEPARATED WATER TANK	15.5'øx16'	STEEL	500 BBL
24	CLEAN WATER TANK	15.5'øx16'	STEEL	500 BBL
25	SALE OIL TANK	15.5'øx16'	STEEL	500 BBL
26	SALE OIL TANK	15.5'øx16'	STEEL	500 BBL

500 Moseley Road
Cross Roads, Texas 76227
Phone (940) 387-4805
www.kje-us.com

FACILITY SCHEMATIC DIAGRAM
CLOSURE COST ESTIMATE
PRODUCTION WASTE SOLUTIONS, LLC & OVERFLOW ENERGY, LLC
EDDY COUNTY, NEW MEXICO

DATE: 09/13/2021
VERSION: 1.0
THIS DRAWING IS FOR PERMIT PURPOSES ONLY.
REVISIONS:
SHEET: **A1**

Soil Type	Porosity	Length	Width	Depth (.083 per inch)	Cubic Feet	Estimate d Barrels	Soil Type
Clay	0.15			0.083	0.083	0.00	Clay
Peat	0.40			0.083	0.083	0.01	Peat
Glacial Sediments	0.13			0.083	0.083	0.00	Glacial Sediments
Sandy Clay	0.12			0.083	0.083	0.00	Sandy Clay
Silt	0.16			0.083	0.083	0.00	Silt
Loess	0.25			0.083	0.083	0.00	Loess
Fine Sand	0.16			0.083	0.083	0.00	Fine Sand
Medium Sand	0.25			0.083	0.083	0.00	Medium Sand
Coarse Sand	0.26			0.083	0.083	0.00	Coarse Sand
Gravelly Sand	0.26			0.083	0.083	0.00	Gravelly Sand
Fine Gravel	0.26			0.083	0.083	0.00	Fine Gravel
Medium Gravel	0.20			0.083	0.083	0.00	Medium Gravel
Coarse Gravel	0.18	230	270	0.083	5154.3	165.38	Coarse Gravel
Sandstone	0.25			0.083	0.083	0.00	Sandstone
Siltstone	0.18			0.083	0.083	0.00	Siltstone
Shale	0.05			0.083	0.083	0.00	Shale
Limestone	0.13			0.083	0.083	0.00	Limestone
Basalt	0.19			0.083	0.083	0.00	Basalt
Volcanic Tuff	0.20			0.083	0.083	0.00	Volcanic Tuff
Standing Liquids	X	130	90	0.25	2925	521.39	Standing Liquids

1	2	3	4	5	6
0.083	0.166	0.250	0.332	0.415	0.500
7	8	9	10	11	12
0.581	0.664	0.750	0.830	0.913	1.000

Total Estimated Volume released: **Unknown**

Total Volume Recovered **521** bbl

Total Volume Lost **Unknown**

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 539935

QUESTIONS

Operator: PRODUCTION WASTE SOLUTIONS LLC 1101 SE Mustang Dr Andrews, TX 79714	OGRID: 371912
	Action Number: 539935
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2422050186
Incident Name	NAPP2422050186 SANDPOINT @ FVV2130741319
Incident Type	Fire
Incident Status	Remediation Plan Received
Incident Facility	[FVV2130741319] SANDPOINT RECLAMATION FACILITY PWS

Location of Release Source

Please answer all the questions in this group.

Site Name	SANDPOINT
Date Release Discovered	10/22/2023
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Fire
Did this release result in a fire or is the result of a fire	Yes
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	Cause: Fire Unknown Crude Oil Released: 0 BBL (Unknown Released Amount) Recovered: 52 BBL Lost: -52 BBL.
Produced Water Released (bbls) Details	Cause: Fire Unknown Produced Water Released: 0 BBL (Unknown Released Amount) Recovered: 469 BBL Lost: -469 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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, Page 2

Action 539935

QUESTIONS (continued)

Operator: PRODUCTION WASTE SOLUTIONS LLC 1101 SE Mustang Dr Andrews, TX 79714	OGRID: 371912
	Action Number: 539935
	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; (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire; (?) reported amounts release resulting in negative volume.
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: Linette Ramirez Title: Regulatory Admin Email: linette@productionwaste.com Date: 01/05/2026
----------------------------------------------------	------------------------------------------------------------------------------------------------------------

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QUESTIONS, Page 3

Action 539935

QUESTIONS (continued)

Operator: PRODUCTION WASTE SOLUTIONS LLC 1101 SE Mustang Dr Andrews, TX 79714	OGRID: 371912
	Action Number: 539935
	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 100 and 500 (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	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (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 200 and 300 (ft.)
Any other fresh water well or spring	Between 200 and 300 (ft.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 200 and 300 (ft.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 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
<i>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.</i>	
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)	9800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	260
GRO+DRO (EPA SW-846 Method 8015M)	260
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	02/01/2026
On what date will (or did) the final sampling or liner inspection occur	02/20/2026
On what date will (or was) the remediation complete(d)	03/01/2026
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	3979
What is the estimated volume (in cubic yards) that will be remediated	186

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, Page 4

Action 539935

QUESTIONS (continued)

Operator: PRODUCTION WASTE SOLUTIONS LLC 1101 SE Mustang Dr Andrews, TX 79714	OGRID: 371912
	Action Number: 539935
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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	fEEM0112340644 R360 ARTESIA LLC LANDFARM
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.
<i>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>	
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: Linette Ramirez Title: Regulatory Admin Email: linette@productionwaste.com Date: 01/05/2026
<i>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.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

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Action 539935

QUESTIONS (continued)

Operator: PRODUCTION WASTE SOLUTIONS LLC 1101 SE Mustang Dr Andrews, TX 79714	OGRID: 371912
	Action Number: 539935
	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, Page 6

Action 539935

QUESTIONS (continued)

Operator: PRODUCTION WASTE SOLUTIONS LLC 1101 SE Mustang Dr Andrews, TX 79714	OGRID: 371912
	Action Number: 539935
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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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Santa Fe, NM 87505

CONDITIONS

Action 539935

CONDITIONS

Operator: PRODUCTION WASTE SOLUTIONS LLC 1101 SE Mustang Dr Andrews, TX 79714	OGRID: 371912
	Action Number: 539935
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation plan conditionally approved.	1/7/2026
bhall	Confirmation samples must be representative five-point composite samples from the walls and base, and individual grab samples from any wet or discolored areas. The samples must be analyzed for the constituents listed in Table I of 19.15.29.12 NMAC	1/7/2026
bhall	Sampling notification must be made by filing a C-141N/C-141L at least two business days prior to conducting final sampling.	1/7/2026
bhall	Excavation of the contaminated material must be extended both vertically and horizontally if samples indicate contamination extends outside of the proposed excavations illustrated on Figure 2, Proposed Excavation Schematic.	1/7/2026
bhall	A liner inspection must be completed and liner integrity must be demonstrated. Include all documentation available to show that the containment was not compromised and retained integrity.	1/7/2026
bhall	Report states "Contaminated soils will be stored on a 30mil liner prior to disposal at an approved facility". OCD requires one 5-point composite sample be collected from the soil beneath foot print of the liner to ensure no contaminated soil has been left in place. This sample must be analyzed for all constituents found on Table I of 19.15.29 NMAC. The results of this sample must be equal to or less than the most stringent closure criteria.	1/7/2026
bhall	Areas reasonably needed for production operations or for subsequent drilling operations must be compacted, covered, paved or otherwise stabilized and maintained in such a way as to minimize dust and erosion to the extent practical. Construction of the soil cover must be to the site's existing grade and must prevent ponding of water and erosion of the cover material.	1/7/2026
bhall	All final/confirmation samples must be equal or less than the most stringent closure criteria (100 mg/KG TPH, 600 mg/kg Chloride, 50 mg/kg BTEX, and 10 mg/kg benzene).	1/7/2026
bhall	A remediation closure report must be submitted through the OCD Permitting website by March 7, 2026.	1/7/2026