General Information

NMOCD District:	District 1	Incident ID:	nAPP2417440880
Landowner:	Federal	Facility:	fAPP2209631085
Client:	Devon Energy Production Company, LP	Site Location:	White Dove 17 CTB 3
Date:	March 7, 2025	Project #:	24E-03262
Client Contact:	Jim Raley	Phone #:	575.689.7597
Vertex PM:	Sally Carttar	Phone #:	575.361.3561

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 produced water release at White Dove 17 CTB 3 (hereafter referred to as "site"). The release occurred due to a pin hole in the water side of a separator and resulted in 6 barrels (bbl) of produced water being released on the facility pad, shown on Figure 1 (Attachment 1). Areas of environmental concern identified and delineated include the separator processing equipment area and below the associated pipe racks. Closure criteria has been selected as per New Mexico Administrative Code (NMAC) 19.15.29. The closure criteria for the site are presented below in Table 1.

Table 1. Closure Criteria for Soils Impacted by a Release DTGW <50 feet bgs

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 = gasoline range organics (GRO) + diesel range organics (DRO) + motor oil range organics (MRO),
BTEX - Benzene, toluene, ethylbenzene, and xylenes

Site Assessment/Characterization

Site characterization was completed between August 14, 2024, and February 11, 2025. A total of fourteen boreholes were established and samples collected for field screening. In total, 44 samples were submitted to Eurofins Laboratory in Albuquerque, New Mexico for analysis. The sample locations are presented on 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 reclamation and remediation criteria are identified in the table as bold with 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.

Proposed Remedial Activities

The release area will be remediated to most stringent closure criteria. Areas identified with contaminant concentrations above closure criteria will be remediated through excavation. Laboratory results from delineation have been referenced to estimate both the vertical and horizontal limits of the impacts and the volume of soil to be removed. Exceedances to closure criteria identified north of the separators will be remediated to closure criteria via excavation. Heavy equipment will be used to excavate open areas on the pad to remove contaminated soil. A hydrovac truck may be utilized to identify utility and buried pipelines where necessary, and hand tools will be utilized to remove contaminated soil in close proximity to equipment, buried utilities, and pipelines.

Soil will be excavated to the extent of the known impacts or in 2-foot increments, whichever is less. Field screening will be utilized to confirm removal of impacted soil below the applicable closure criteria. Excavated soils will be stored on a 30mil liner prior to disposal at an approved facility. Once excavation is complete, Confirmation samples will be collected as per New Mexico Oil Conservation Division (NMOCD) guidance and submitted for laboratory analysis of all applicable parameters. The estimated remediation area is approximately 2,173 square feet as presented on Figure 1 (Attachment 1). 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 undersigned at 575.361.3561 or scarttar@vertexresource.com.

John Rewis

John Rewis, B.Sc.
ENVIRONMENTAL TECHNICIAN, REPORTING

March 7, 2025
Date

Sally Carttar

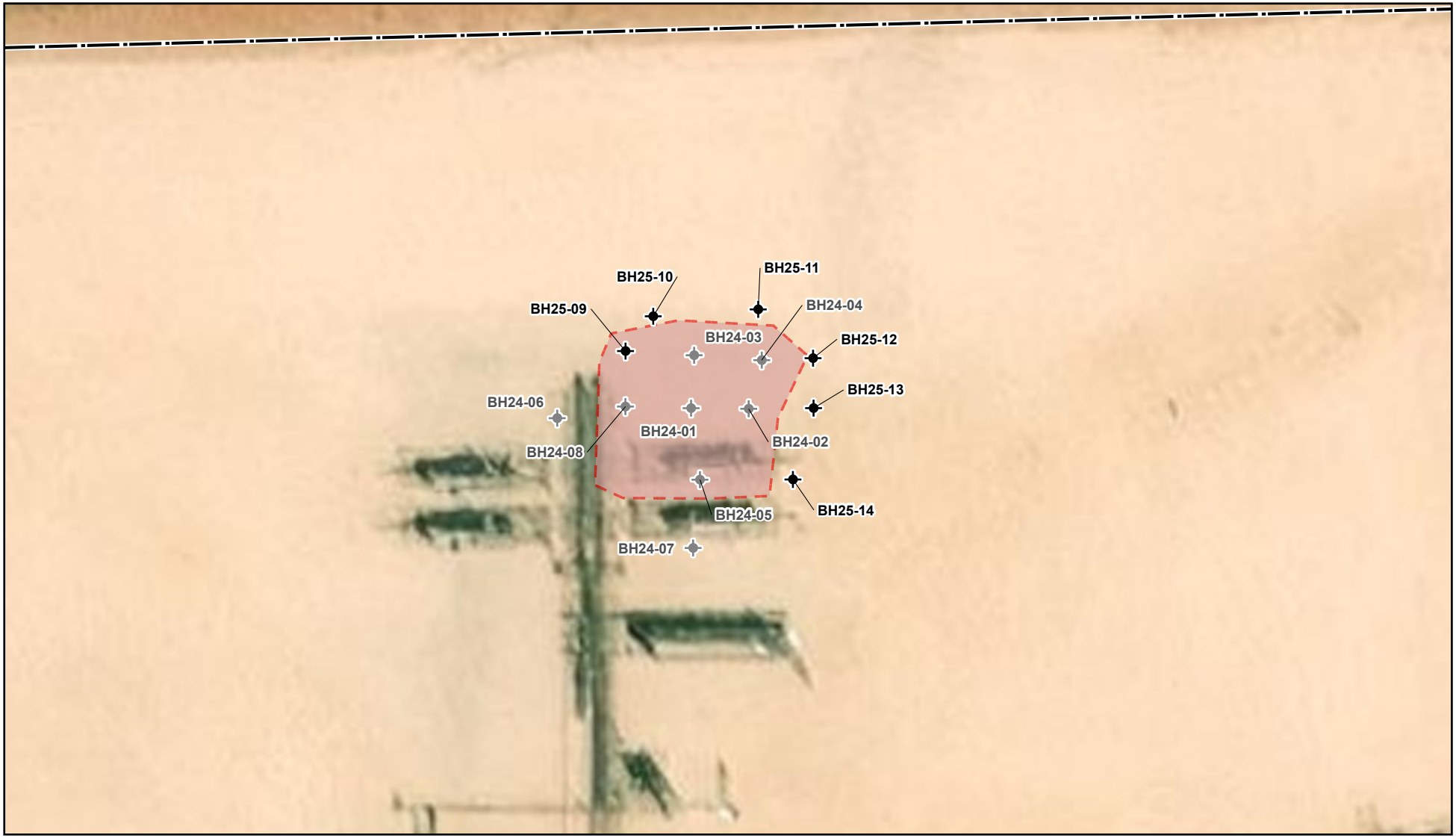
Sally Carttar, BA
PROJECT MANAGER, REPORT REVIEW

March 7, 2025
Date

Attachments

Attachment 1. Characterization Sampling Site Schematic
Attachment 2. Initial Characterization Sample Laboratory Results – Depth to Groundwater <50 feet bgs
Attachment 3. Daily Field Reports with Photographs
Attachment 4. Laboratory Data Reports with Chain of Custody Forms
Attachment 5. Closure Criteria Research

ATTACHMENT 1



Borehole

Historical Borehole

Approximate Lease Boundary

Approximate Release Area (~2,172 sq.ft. | 179 ft.)

VERTEX

0 25 50 ft

NAD 1983 UTM Zone 13N

Date: Feb 18/25

Map Center:
Lat/Long
32.309546°,-103.494322°

N

Characterization Sampling Site Schematic
White Dove 17 CTB 3

FIGURE:
1

devon

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 lease boundary from sketch by Vertex Professional Services Ltd. (Vertex), 2024. Site features from GPS, Vertex, 2024 and 2025.

VERSATILITY. EXPERTISE.

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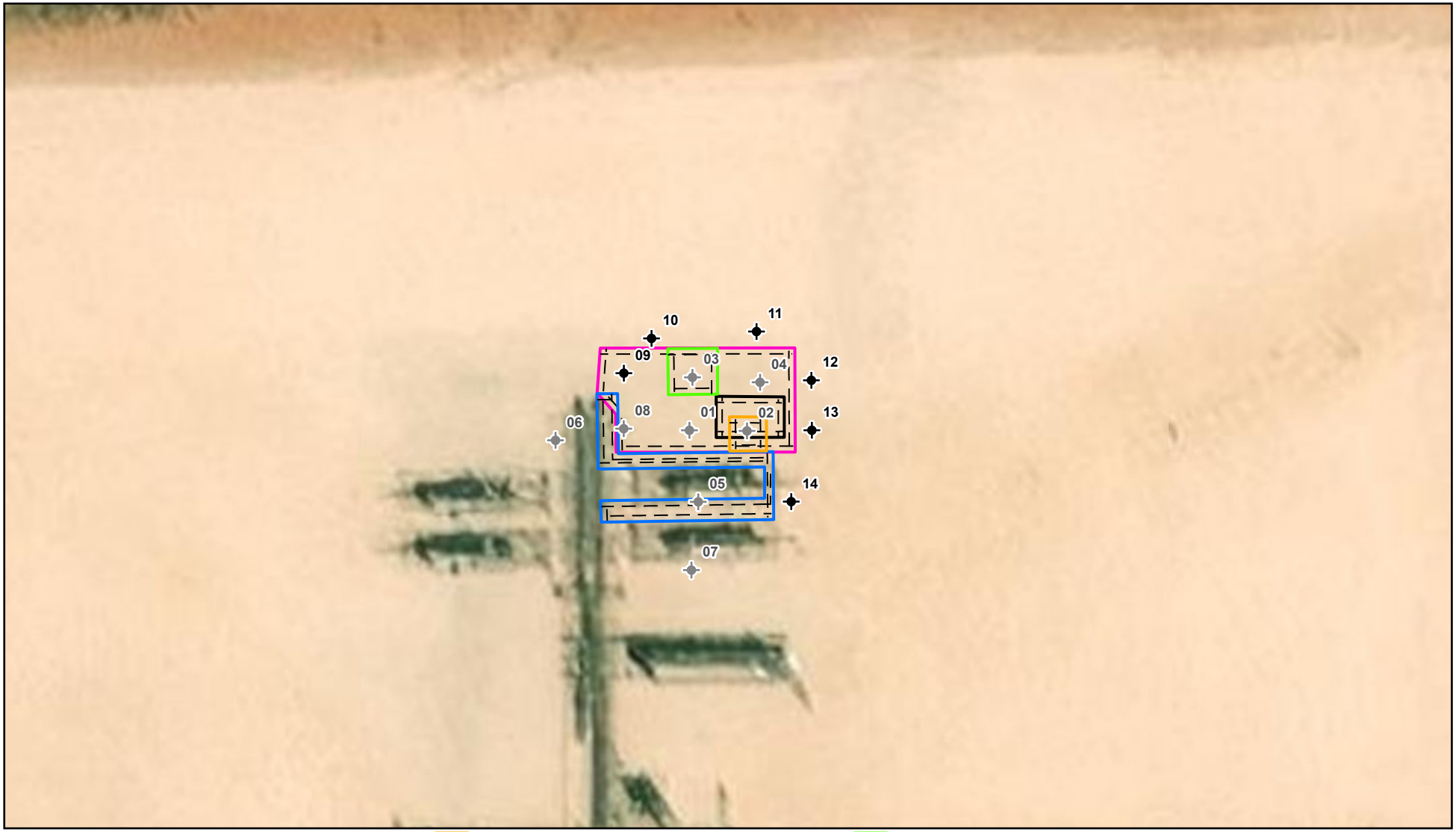

Borehole (Prefixed by "BH25-")

Borehole (Prefixed by "BH-24")

East Proposed Excavation to 6' bgs (~191 sq.ft. | 57 ft.)

Proposed excavation to 6' bgs (~86 sq.ft. | 37 ft.)

Proposed Excavation to 1' bgs (~540 sq.ft. | 244 ft.)

Proposed Excavation to 4' bgs (~1,343 sq.ft. | 154 ft.)

West Proposed Excavation to 6' bgs (~155 sq.ft. | 50 ft.)

VERTEX

0 15 30 ft

NAD 1983 UTM Zone 13N

Date: Mar 05/25

Map Center:
Lat/Long
32.309564°,-103.49432°

N

Proposed Excavation Schematic
White Dove 17 CTB 3

FIGURE:
2

devon

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 lease boundary from sketch by Vertex Professional Services Ltd. (Vertex), 2024. Site features from GPS, Vertex, 2024.

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Document Path: S:\04 - Geomatics\1-Projects_US PROJECTS\Devon Energy Corporation\2024\24E-03262 - White Dove 17 CTB 3\Project\24E-03262.aprx

ATTACHMENT 2

Client Name: Devon Energy Production Company, LP
Site Name: White Dove 17 CTB 3
NMOCD Tracking #: nAPP2417440880

Project #: 24E-03262
Lab Reports: 885-10997, 885-19961

Table 2. Initial Characterization Sample Laboratory Results - Depth to Groundwater <50 feet bgs

Sample Description			Petroleum Hydrocarbons							Inorganic
			Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	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)	(mg/kg)
BH24-01	1	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	**3,800**
	2	August 26, 2024	ND	ND	ND	13	ND	13	13	**4,300**
	4	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BH24-02	1	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	**2,100**
	2	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	**3,700**
	4	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	**3,100**
	5	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	**2,700**
BH24-03	1	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	**3,700**
	2	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	**2,200**
	4	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	**2,300**
	5	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	**980**
BH24-04	1	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	**2,200**
	2	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	**2,600**
	4	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BH24-05	1	August 26, 2024	ND	ND	ND	38	55	38	93	**21,000**
	2	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	**6,800**
	4	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BH24-06	1	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	ND
	2	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	230
	4	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BH24-07	1	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	ND
	2	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	420
	4	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BH24-08	1	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	**5,800**
	2	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	**8,700**
	4	August 26, 2024	ND	ND	ND	ND	ND	ND	ND	ND
BH25-09	0	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	**1,900**
	2	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	4	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	200
BH25-10	0	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	4	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND
BH25-11	0	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	4	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND
BH25-12	0	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	4	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND
BH25-13	0	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	77
	4	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND
BH25-14	0	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	2	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND
	4	February 11, 2025	ND	ND	ND	ND	ND	ND	ND	ND

"ND" Not Detected at the Reporting Limit
"-" indicates not analyzed/assessed
Bold and green shaded indicates exceedance outside of NMOCD Reclamation Closure Criteria

VERTEX

ATTACHMENT 3

Daily Site Visit Report

Client	Devon Energy Corporation	Inspection Date	8/14/2024
Site Location Name	White Dove 17 CTB 3	API #	
Client Contact Name	Dale Woodall	Project Owner	
Client Contact Phone #	405-318-4697	Project Manager	
Project Reference #			
Unique Project ID			

Summary of Times

Arrived at Site	8/14/2024 1:40 PM
Departed Site	8/14/2024 3:42 PM

Daily Site Visit Report

Site Sketch

Site Sketch

Daily Site Visit Report

Field Notes

15:42 Delineation on spill

15:44 Grab surface samples to find edge of spill

Next Steps & Recommendations

1

Daily Site Visit Report

Site Photos

Viewing Direction: South	**Viewing Direction**: West
	
Spill area of delineation	Area was high with chlorides

Daily Site Visit Report

VERTEX

Daily Site Visit Signature

Inspector: Riley Plogger

Signature: 

Daily Site Visit Report

Client	Devon Energy Corporation	Inspection Date	8/15/2024
Site Location Name	White Dove 17 CTB 3	API #	
Client Contact Name	Dale Woodall	Project Owner	
Client Contact Phone #	405-318-4697	Project Manager	
Project Reference #			
Unique Project ID			

Summary of Times

Arrived at Site	8/15/2024 10:45 AM
Departed Site	8/15/2024 3:30 PM

Daily Site Visit Report

Site Sketch

Site Sketch

Daily Site Visit Report

Field Notes

14:23 Delineate down to 4’ on BH24-01 to 08

14:23 Field screen samples

Next Steps & Recommendations

1 Jar and send samples off to lab for analysis

Daily Site Visit Report

Site Photos

Viewing Direction: South	**Viewing Direction**: South
	
BH24-01 @ 4’	BH24-02 @ 4’
Viewing Direction: South	**Viewing Direction**: West
	
BH24-03 @4’	BH24-04 @ 4’

Daily Site Visit Report

Viewing Direction: West	**Viewing Direction**: East
	
BH24-05 @ 4’	BH24-06 @ 4’
Viewing Direction: South	**Viewing Direction**: West
	
BH24-08 @ 4’	BH24-07 @ 4’

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Riley Plogger

Signature: 

Daily Site Visit Report

Client:	Devon Energy Corporation	Inspection Date:	2/11/2025
Site Location Name:	White Dove 17 CTB 3	Report Run Date:	2/12/2025 2:07 AM
Client Contact Name:	Dale Woodall	API #:	
Client Contact Phone #:	405-318-4697		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	

Summary of Times

Arrived at Site	2/11/2025 8:53 AM
Departed Site	2/11/2025 4:30 PM

Field Notes

18:39 Arrived on site, completed safety paperwork and conducted a site walkthrough using the magnetic line locator in areas of planned ground disturbance.

18:41 Collected BH25-09 through BH25-14 at 0, 2, and 4ft bgs,BH24-02 and BH24-03 at 5ft bgs. All samples were field screens for chlorides using silver nitrate titration and 6 samples were screened for TPH using a Dexsil Petroflag.

18:43 Samples BH24-02 and BH24-03 hit refusal at 5ft bgs due to a caliche layer. Mechanical excavation will be be needed to find samples that meet NMOCD strictest criteria at depth.

18:43 20 samples were collected in total. All samples were jarred to be sent to the laboratory for further analysis.

Next Steps & Recommendations

1

Daily Site Visit Report

Site Photos

Viewing Direction: South	**Viewing Direction**: Southeast
	
BH25-09 at 4ft bgs. Samples collected at 0, 2, and 4ft bgs.	BH25-10 at 4ft bgs. Samples collected at 0, 2, and 4ft bgs.
Viewing Direction: South	**Viewing Direction**: West
	
BH25-11 at 4ft bgs. Samples collected at 0, 2, and 4ft bgs.	BH25-12 at 4ft bgs. Samples collected at 0, 2, and 4ft bgs.

Daily Site Visit Report

Viewing Direction: Northwest

BH25-13 at 4ft bgs. Samples collected at 0, 3, and 4ft bgs.

Viewing Direction: West

BH25-15 at 4ft bgs. Samples collected at 0, 3, and 4ft bgs.

Viewing Direction: South

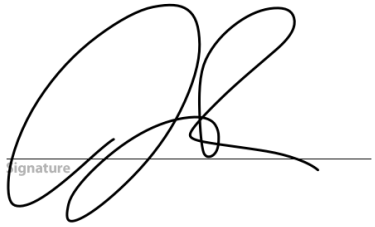
BH24-03 at 5ft bgs. Sample point was intended to go down to 6ft bgs but hit refusal.

Daily Site Visit Report

Daily Site Visit Signature

Inspector: John Rewis

Signature:



ATTACHMENT 4

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

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

Generated 9/15/2024 6:28:38 PM

JOB DESCRIPTION

White Dove 17 CTB 3

JOB NUMBER

885-10997-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

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

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9/15/2024 6:28:38 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Vertex
Project/Site: White Dove 17 CTB 3

Laboratory Job ID: 885-10997-1

Table of Contents

Definitions/Glossary

Client: Vertex Job ID: 885-10997-1
Project/Site: White Dove 17 CTB 3

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 Job ID: 885-10997-1
Project: White Dove 17 CTB 3

Job ID: 885-10997-1 Eurofins Albuquerque

Job Narrative
885-10997-1

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 8/31/2024 9:30 AM. 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 5.4°C.

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

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

Diesel Range Organics
Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-11572 recovered above the upper control limit for Diesel Range Organics [C10-C28]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: BH24-08@4 (885-10997-24), (885-11003-A-19-B) and (885-11056-B-6-A).

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

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

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-01@1

Date Collected: 08/26/24 10:32
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-1

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		09/03/24 10:32	09/04/24 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*35 - 166*	*09/03/24 10:32*	*09/04/24 16:46*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 10:32	09/04/24 16:46	1
Ethylbenzene	ND		0.048		mg/Kg		09/03/24 10:32	09/04/24 16:46	1
Toluene	ND		0.048		mg/Kg		09/03/24 10:32	09/04/24 16:46	1
Xylenes, Total	ND		0.096		mg/Kg		09/03/24 10:32	09/04/24 16:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*09/03/24 10:32*	*09/04/24 16:46*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		09/03/24 14:05	09/03/24 23:35	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/03/24 14:05	09/03/24 23:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*113*		*62 - 134*	*09/03/24 14:05*	*09/03/24 23:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3800**		150		mg/Kg		09/04/24 09:50	09/05/24 16:57	50

Client Sample Results

Client: Vertex
Job ID: 885-10997-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH24-01@2
Lab Sample ID: 885-10997-2
Date Collected: 08/26/24 10:37
Matrix: Solid
Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		09/03/24 10:32	09/04/24 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*35 - 166*	*09/03/24 10:32*	*09/04/24 17:08*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 10:32	09/04/24 17:08	1
Ethylbenzene	ND		0.048		mg/Kg		09/03/24 10:32	09/04/24 17:08	1
Toluene	ND		0.048		mg/Kg		09/03/24 10:32	09/04/24 17:08	1
Xylenes, Total	ND		0.097		mg/Kg		09/03/24 10:32	09/04/24 17:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*48 - 145*	*09/03/24 10:32*	*09/04/24 17:08*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**13**		9.4		mg/Kg		09/03/24 14:05	09/03/24 23:49	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/03/24 14:05	09/03/24 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*115*		*62 - 134*	*09/03/24 14:05*	*09/03/24 23:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4300**		150		mg/Kg		09/04/24 09:50	09/05/24 17:12	50

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-01@4

Date Collected: 08/26/24 10:40
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-3

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		09/03/24 10:32	09/04/24 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*35 - 166*	*09/03/24 10:32*	*09/04/24 17:52*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 10:32	09/04/24 17:52	1
Ethylbenzene	ND		0.047		mg/Kg		09/03/24 10:32	09/04/24 17:52	1
Toluene	ND		0.047		mg/Kg		09/03/24 10:32	09/04/24 17:52	1
Xylenes, Total	ND		0.094		mg/Kg		09/03/24 10:32	09/04/24 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*	*09/03/24 10:32*	*09/04/24 17:52*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4		mg/Kg		09/03/24 14:05	09/04/24 00:03	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/03/24 14:05	09/04/24 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*115*		*62 - 134*	*09/03/24 14:05*	*09/04/24 00:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/04/24 09:50	09/04/24 17:15	20

Client Sample Results

Client: Vertex
Job ID: 885-10997-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH24-02@1
Lab Sample ID: 885-10997-4
Date Collected: 08/26/24 10:43
Matrix: Solid
Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		09/03/24 10:32	09/04/24 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*35 - 166*	*09/03/24 10:32*	*09/04/24 18:13*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/03/24 10:32	09/04/24 18:13	1
Ethylbenzene	ND		0.049		mg/Kg		09/03/24 10:32	09/04/24 18:13	1
Toluene	ND		0.049		mg/Kg		09/03/24 10:32	09/04/24 18:13	1
Xylenes, Total	ND		0.099		mg/Kg		09/03/24 10:32	09/04/24 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*48 - 145*	*09/03/24 10:32*	*09/04/24 18:13*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4		mg/Kg		09/03/24 14:05	09/04/24 00:17	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/03/24 14:05	09/04/24 00:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*103*		*62 - 134*	*09/03/24 14:05*	*09/04/24 00:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2100**		60		mg/Kg		09/04/24 09:50	09/04/24 17:28	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-02@2

Date Collected: 08/26/24 10:45
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-5

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		09/03/24 10:32	09/04/24 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*35 - 166*	*09/03/24 10:32*	*09/04/24 18:35*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 10:32	09/04/24 18:35	1
Ethylbenzene	ND		0.049		mg/Kg		09/03/24 10:32	09/04/24 18:35	1
Toluene	ND		0.049		mg/Kg		09/03/24 10:32	09/04/24 18:35	1
Xylenes, Total	ND		0.098		mg/Kg		09/03/24 10:32	09/04/24 18:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*09/03/24 10:32*	*09/04/24 18:35*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2		mg/Kg		09/03/24 14:05	09/04/24 00:30	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		09/03/24 14:05	09/04/24 00:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*62 - 134*	*09/03/24 14:05*	*09/04/24 00:30*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3700**		150		mg/Kg		09/04/24 09:50	09/05/24 17:28	50

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-02@4

Date Collected: 08/26/24 10:48
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-6
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		09/03/24 10:32	09/04/24 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*35 - 166*	*09/03/24 10:32*	*09/04/24 18:57*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/03/24 10:32	09/04/24 18:57	1
Ethylbenzene	ND		0.049		mg/Kg		09/03/24 10:32	09/04/24 18:57	1
Toluene	ND		0.049		mg/Kg		09/03/24 10:32	09/04/24 18:57	1
Xylenes, Total	ND		0.099		mg/Kg		09/03/24 10:32	09/04/24 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*48 - 145*	*09/03/24 10:32*	*09/04/24 18:57*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		09/03/24 14:05	09/04/24 00:44	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		09/03/24 14:05	09/04/24 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*119*		*62 - 134*	*09/03/24 14:05*	*09/04/24 00:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3100**		150		mg/Kg		09/04/24 09:50	09/05/24 17:43	50

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-03@1

Date Collected: 08/26/24 10:54
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-7

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6		mg/Kg		09/03/24 10:32	09/04/24 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*35 - 166*	*09/03/24 10:32*	*09/04/24 19:19*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		09/03/24 10:32	09/04/24 19:19	1
Ethylbenzene	ND		0.046		mg/Kg		09/03/24 10:32	09/04/24 19:19	1
Toluene	ND		0.046		mg/Kg		09/03/24 10:32	09/04/24 19:19	1
Xylenes, Total	ND		0.092		mg/Kg		09/03/24 10:32	09/04/24 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*48 - 145*	*09/03/24 10:32*	*09/04/24 19:19*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		09/03/24 14:05	09/04/24 01:11	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/03/24 14:05	09/04/24 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*106*		*62 - 134*	*09/03/24 14:05*	*09/04/24 01:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3700**		150		mg/Kg		09/04/24 11:40	09/05/24 17:58	50

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-03@2

Date Collected: 08/26/24 11:02
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-8

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		09/03/24 10:32	09/04/24 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*35 - 166*	*09/03/24 10:32*	*09/04/24 19:41*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 10:32	09/04/24 19:41	1
Ethylbenzene	ND		0.047		mg/Kg		09/03/24 10:32	09/04/24 19:41	1
Toluene	ND		0.047		mg/Kg		09/03/24 10:32	09/04/24 19:41	1
Xylenes, Total	ND		0.095		mg/Kg		09/03/24 10:32	09/04/24 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*09/03/24 10:32*	*09/04/24 19:41*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4		mg/Kg		09/03/24 14:05	09/04/24 01:25	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/03/24 14:05	09/04/24 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*62 - 134*	*09/03/24 14:05*	*09/04/24 01:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2200**		150		mg/Kg		09/04/24 11:40	09/05/24 18:13	50

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-03@4

Date Collected: 08/26/24 11:07
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-9

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		09/03/24 10:32	09/04/24 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*35 - 166*	*09/03/24 10:32*	*09/04/24 20:02*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 10:32	09/04/24 20:02	1
Ethylbenzene	ND		0.048		mg/Kg		09/03/24 10:32	09/04/24 20:02	1
Toluene	ND		0.048		mg/Kg		09/03/24 10:32	09/04/24 20:02	1
Xylenes, Total	ND		0.095		mg/Kg		09/03/24 10:32	09/04/24 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*48 - 145*	*09/03/24 10:32*	*09/04/24 20:02*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		09/03/24 14:05	09/04/24 01:39	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		09/03/24 14:05	09/04/24 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*105*		*62 - 134*	*09/03/24 14:05*	*09/04/24 01:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2300**		150		mg/Kg		09/04/24 11:40	09/05/24 18:58	50

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-04@1

Date Collected: 08/26/24 11:18
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-10

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		09/03/24 10:32	09/04/24 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*35 - 166*	*09/03/24 10:32*	*09/04/24 20:24*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 10:32	09/04/24 20:24	1
Ethylbenzene	ND		0.048		mg/Kg		09/03/24 10:32	09/04/24 20:24	1
Toluene	ND		0.048		mg/Kg		09/03/24 10:32	09/04/24 20:24	1
Xylenes, Total	ND		0.096		mg/Kg		09/03/24 10:32	09/04/24 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*	*09/03/24 10:32*	*09/04/24 20:24*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		09/03/24 14:05	09/04/24 01:52	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		09/03/24 14:05	09/04/24 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*102*		*62 - 134*	*09/03/24 14:05*	*09/04/24 01:52*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2200**		60		mg/Kg		09/04/24 11:40	09/04/24 20:03	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-04@2

Date Collected: 08/26/24 11:21
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-11

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		09/03/24 10:32	09/04/24 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*35 - 166*	*09/03/24 10:32*	*09/04/24 20:46*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 10:32	09/04/24 20:46	1
Ethylbenzene	ND		0.049		mg/Kg		09/03/24 10:32	09/04/24 20:46	1
Toluene	ND		0.049		mg/Kg		09/03/24 10:32	09/04/24 20:46	1
Xylenes, Total	ND		0.097		mg/Kg		09/03/24 10:32	09/04/24 20:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*48 - 145*	*09/03/24 10:32*	*09/04/24 20:46*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		09/03/24 14:05	09/04/24 02:06	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		09/03/24 14:05	09/04/24 02:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*107*		*62 - 134*	*09/03/24 14:05*	*09/04/24 02:06*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2600**		150		mg/Kg		09/04/24 11:40	09/05/24 19:14	50

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-04@4

Date Collected: 08/26/24 11:24
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-12

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		09/03/24 10:32	09/04/24 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*35 - 166*	*09/03/24 10:32*	*09/04/24 21:08*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 10:32	09/04/24 21:08	1
Ethylbenzene	ND		0.048		mg/Kg		09/03/24 10:32	09/04/24 21:08	1
Toluene	ND		0.048		mg/Kg		09/03/24 10:32	09/04/24 21:08	1
Xylenes, Total	ND		0.095		mg/Kg		09/03/24 10:32	09/04/24 21:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*	*09/03/24 10:32*	*09/04/24 21:08*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		09/03/24 15:02	09/04/24 13:08	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/03/24 15:02	09/04/24 13:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*89*		*62 - 134*	*09/03/24 15:02*	*09/04/24 13:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/04/24 11:40	09/04/24 20:28	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-05@1

Date Collected: 08/26/24 11:35
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-13

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		09/03/24 11:24	09/04/24 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*35 - 166*	*09/03/24 11:24*	*09/04/24 23:18*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 11:24	09/04/24 23:18	1
Ethylbenzene	ND		0.049		mg/Kg		09/03/24 11:24	09/04/24 23:18	1
Toluene	ND		0.049		mg/Kg		09/03/24 11:24	09/04/24 23:18	1
Xylenes, Total	ND		0.098		mg/Kg		09/03/24 11:24	09/04/24 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*48 - 145*	*09/03/24 11:24*	*09/04/24 23:18*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**38**		9.6		mg/Kg		09/03/24 15:02	09/04/24 13:19	1
Motor Oil Range Organics [C28-C40]	**55**		48		mg/Kg		09/03/24 15:02	09/04/24 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*09/03/24 15:02*	*09/04/24 13:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**21000**		1500		mg/Kg		09/04/24 11:40	09/05/24 19:29	500

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-05@2

Date Collected: 08/26/24 11:40
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-14

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		09/03/24 11:24	09/05/24 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*35 - 166*	*09/03/24 11:24*	*09/05/24 00:23*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 11:24	09/05/24 00:23	1
Ethylbenzene	ND		0.047		mg/Kg		09/03/24 11:24	09/05/24 00:23	1
Toluene	ND		0.047		mg/Kg		09/03/24 11:24	09/05/24 00:23	1
Xylenes, Total	ND		0.094		mg/Kg		09/03/24 11:24	09/05/24 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*48 - 145*	*09/03/24 11:24*	*09/05/24 00:23*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		09/03/24 15:02	09/04/24 13:29	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/03/24 15:02	09/04/24 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*90*		*62 - 134*	*09/03/24 15:02*	*09/04/24 13:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6800**		300		mg/Kg		09/04/24 11:40	09/05/24 19:44	100

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-05@4

Date Collected: 08/26/24 11:44
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-15
Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		09/03/24 11:24	09/05/24 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*35 - 166*	*09/03/24 11:24*	*09/05/24 01:28*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 11:24	09/05/24 01:28	1
Ethylbenzene	ND		0.047		mg/Kg		09/03/24 11:24	09/05/24 01:28	1
Toluene	ND		0.047		mg/Kg		09/03/24 11:24	09/05/24 01:28	1
Xylenes, Total	ND		0.095		mg/Kg		09/03/24 11:24	09/05/24 01:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*	*09/03/24 11:24*	*09/05/24 01:28*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		09/03/24 15:02	09/04/24 13:40	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/03/24 15:02	09/04/24 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*93*		*62 - 134*	*09/03/24 15:02*	*09/04/24 13:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/04/24 11:40	09/04/24 21:07	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-06@1

Date Collected: 08/26/24 11:47
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-16

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		09/03/24 11:24	09/05/24 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*35 - 166*	*09/03/24 11:24*	*09/05/24 01:50*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/03/24 11:24	09/05/24 01:50	1
Ethylbenzene	ND		0.050		mg/Kg		09/03/24 11:24	09/05/24 01:50	1
Toluene	ND		0.050		mg/Kg		09/03/24 11:24	09/05/24 01:50	1
Xylenes, Total	ND		0.099		mg/Kg		09/03/24 11:24	09/05/24 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*48 - 145*	*09/03/24 11:24*	*09/05/24 01:50*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		09/03/24 15:02	09/04/24 13:51	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		09/03/24 15:02	09/04/24 13:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*90*		*62 - 134*	*09/03/24 15:02*	*09/04/24 13:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/04/24 11:40	09/04/24 21:20	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-06@2

Date Collected: 08/26/24 11:53
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-17

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		09/03/24 11:24	09/05/24 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*35 - 166*	*09/03/24 11:24*	*09/05/24 02:12*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 11:24	09/05/24 02:12	1
Ethylbenzene	ND		0.049		mg/Kg		09/03/24 11:24	09/05/24 02:12	1
Toluene	ND		0.049		mg/Kg		09/03/24 11:24	09/05/24 02:12	1
Xylenes, Total	ND		0.097		mg/Kg		09/03/24 11:24	09/05/24 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*48 - 145*	*09/03/24 11:24*	*09/05/24 02:12*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		09/03/24 15:02	09/04/24 14:02	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/03/24 15:02	09/04/24 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*09/03/24 15:02*	*09/04/24 14:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**230**		60		mg/Kg		09/04/24 11:40	09/04/24 21:58	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-06@4

Date Collected: 08/26/24 11:57
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-18

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		09/03/24 11:24	09/05/24 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*35 - 166*	*09/03/24 11:24*	*09/05/24 02:33*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/03/24 11:24	09/05/24 02:33	1
Ethylbenzene	ND		0.050		mg/Kg		09/03/24 11:24	09/05/24 02:33	1
Toluene	ND		0.050		mg/Kg		09/03/24 11:24	09/05/24 02:33	1
Xylenes, Total	ND		0.099		mg/Kg		09/03/24 11:24	09/05/24 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*48 - 145*	*09/03/24 11:24*	*09/05/24 02:33*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		09/03/24 15:02	09/04/24 14:12	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		09/03/24 15:02	09/04/24 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*82*		*62 - 134*	*09/03/24 15:02*	*09/04/24 14:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/04/24 11:40	09/04/24 22:37	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-07@1

Date Collected: 08/26/24 12:05
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-19

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		09/03/24 11:24	09/05/24 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*35 - 166*	*09/03/24 11:24*	*09/05/24 02:55*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 11:24	09/05/24 02:55	1
Ethylbenzene	ND		0.049		mg/Kg		09/03/24 11:24	09/05/24 02:55	1
Toluene	ND		0.049		mg/Kg		09/03/24 11:24	09/05/24 02:55	1
Xylenes, Total	ND		0.097		mg/Kg		09/03/24 11:24	09/05/24 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*48 - 145*	*09/03/24 11:24*	*09/05/24 02:55*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0		mg/Kg		09/03/24 15:02	09/04/24 14:23	1
Motor Oil Range Organics [C28-C40]	ND		45		mg/Kg		09/03/24 15:02	09/04/24 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*80*		*62 - 134*	*09/03/24 15:02*	*09/04/24 14:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/04/24 11:40	09/04/24 22:50	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-07@2

Date Collected: 08/26/24 12:10
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-20

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		09/03/24 11:24	09/05/24 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*35 - 166*	*09/03/24 11:24*	*09/05/24 03:17*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/03/24 11:24	09/05/24 03:17	1
Ethylbenzene	ND		0.050		mg/Kg		09/03/24 11:24	09/05/24 03:17	1
Toluene	ND		0.050		mg/Kg		09/03/24 11:24	09/05/24 03:17	1
Xylenes, Total	ND		0.099		mg/Kg		09/03/24 11:24	09/05/24 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*	*09/03/24 11:24*	*09/05/24 03:17*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9		mg/Kg		09/03/24 15:02	09/04/24 14:34	1
Motor Oil Range Organics [C28-C40]	ND		45		mg/Kg		09/03/24 15:02	09/04/24 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*81*		*62 - 134*	*09/03/24 15:02*	*09/04/24 14:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**420**		60		mg/Kg		09/04/24 11:40	09/04/24 23:03	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-07@4

Date Collected: 08/26/24 12:15
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-21

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		09/03/24 11:24	09/05/24 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*35 - 166*	*09/03/24 11:24*	*09/05/24 03:39*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/03/24 11:24	09/05/24 03:39	1
Ethylbenzene	ND		0.050		mg/Kg		09/03/24 11:24	09/05/24 03:39	1
Toluene	ND		0.050		mg/Kg		09/03/24 11:24	09/05/24 03:39	1
Xylenes, Total	ND		0.10		mg/Kg		09/03/24 11:24	09/05/24 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*48 - 145*	*09/03/24 11:24*	*09/05/24 03:39*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		09/03/24 15:02	09/04/24 14:45	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/03/24 15:02	09/04/24 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*81*		*62 - 134*	*09/03/24 15:02*	*09/04/24 14:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/04/24 11:40	09/04/24 23:16	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-08@1

Date Collected: 08/26/24 12:24
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-22

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		09/03/24 11:24	09/05/24 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*35 - 166*	*09/03/24 11:24*	*09/05/24 04:00*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 11:24	09/05/24 04:00	1
Ethylbenzene	ND		0.049		mg/Kg		09/03/24 11:24	09/05/24 04:00	1
Toluene	ND		0.049		mg/Kg		09/03/24 11:24	09/05/24 04:00	1
Xylenes, Total	ND		0.097		mg/Kg		09/03/24 11:24	09/05/24 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*48 - 145*	*09/03/24 11:24*	*09/05/24 04:00*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		09/03/24 15:02	09/04/24 14:56	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		09/03/24 15:02	09/04/24 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*85*		*62 - 134*	*09/03/24 15:02*	*09/04/24 14:56*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5800**		300		mg/Kg		09/04/24 11:40	09/05/24 19:59	100

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-08@2

Date Collected: 08/26/24 12:29
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-23

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		09/03/24 11:24	09/05/24 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*35 - 166*	*09/03/24 11:24*	*09/05/24 04:44*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/03/24 11:24	09/05/24 04:44	1
Ethylbenzene	ND		0.050		mg/Kg		09/03/24 11:24	09/05/24 04:44	1
Toluene	ND		0.050		mg/Kg		09/03/24 11:24	09/05/24 04:44	1
Xylenes, Total	ND		0.099		mg/Kg		09/03/24 11:24	09/05/24 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*	*09/03/24 11:24*	*09/05/24 04:44*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		09/03/24 15:02	09/04/24 15:07	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		09/03/24 15:02	09/04/24 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*88*		*62 - 134*	*09/03/24 15:02*	*09/04/24 15:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8700**		600		mg/Kg		09/04/24 11:40	09/05/24 20:14	200

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Client Sample ID: BH24-08@4

Date Collected: 08/26/24 12:34
Date Received: 08/31/24 09:30

Lab Sample ID: 885-10997-24

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		09/03/24 11:24	09/05/24 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*35 - 166*	*09/03/24 11:24*	*09/05/24 05:06*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		09/03/24 11:24	09/05/24 05:06	1
Ethylbenzene	ND		0.049		mg/Kg		09/03/24 11:24	09/05/24 05:06	1
Toluene	ND		0.049		mg/Kg		09/03/24 11:24	09/05/24 05:06	1
Xylenes, Total	ND		0.097		mg/Kg		09/03/24 11:24	09/05/24 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*48 - 145*	*09/03/24 11:24*	*09/05/24 05:06*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2		mg/Kg		09/04/24 09:27	09/04/24 20:05	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		09/04/24 09:27	09/04/24 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*104*		*62 - 134*	*09/04/24 09:27*	*09/04/24 20:05*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		09/04/24 11:40	09/04/24 23:54	20

QC Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-11505/1-A
Matrix: Solid
Analysis Batch: 11649

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11505

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		09/03/24 10:32	09/04/24 12:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*35 - 166*	*09/03/24 10:32*	*09/04/24 12:03*	*1*

Lab Sample ID: LCS 885-11505/2-A
Matrix: Solid
Analysis Batch: 11649

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11505

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	25.3		mg/Kg		101	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*210*		*35 - 166*

Lab Sample ID: MB 885-11514/1-A
Matrix: Solid
Analysis Batch: 11650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11514

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		09/03/24 11:24	09/04/24 22:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*35 - 166*	*09/03/24 11:24*	*09/04/24 22:56*	*1*

Lab Sample ID: LCS 885-11514/2-A
Matrix: Solid
Analysis Batch: 11650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11514

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	25.6		mg/Kg		102	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*216*		*35 - 166*

Lab Sample ID: 885-10997-13 MS
Matrix: Solid
Analysis Batch: 11650

Client Sample ID: BH24-05@1
Prep Type: Total/NA
Prep Batch: 11514

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	ND		24.3	27.6		mg/Kg		114	70 - 130		

QC Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-10997-13 MS
Matrix: Solid
Analysis Batch: 11650

Client Sample ID: BH24-05@1
Prep Type: Total/NA
Prep Batch: 11514

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*224*		*35 - 166*

Lab Sample ID: 885-10997-13 MSD
Matrix: Solid
Analysis Batch: 11650

Client Sample ID: BH24-05@1
Prep Type: Total/NA
Prep Batch: 11514

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		24.6	25.4		mg/Kg		104	70 - 130	8	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*214*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-11505/1-A
Matrix: Solid
Analysis Batch: 11651

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11505

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/03/24 10:32	09/04/24 12:03	1
Ethylbenzene	ND		0.050		mg/Kg		09/03/24 10:32	09/04/24 12:03	1
Toluene	ND		0.050		mg/Kg		09/03/24 10:32	09/04/24 12:03	1
Xylenes, Total	ND		0.10		mg/Kg		09/03/24 10:32	09/04/24 12:03	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*105*		*48 - 145*	*09/03/24 10:32*	*09/04/24 12:03*	*1*

Lab Sample ID: LCS 885-11505/3-A
Matrix: Solid
Analysis Batch: 11651

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11505

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	1.03		mg/Kg		103	70 - 130		
Ethylbenzene			1.00	1.05		mg/Kg		105	70 - 130		
m-Xylene & p-Xylene			2.00	2.09		mg/Kg		104	70 - 130		
o-Xylene			1.00	1.04		mg/Kg		104	70 - 130		
Toluene			1.00	1.04		mg/Kg		104	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	*105*		*48 - 145*

Lab Sample ID: MB 885-11514/1-A
Matrix: Solid
Analysis Batch: 11652

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11514

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		09/03/24 11:24	09/04/24 22:56	1

QC Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

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

Lab Sample ID: MB 885-11514/1-A
Matrix: Solid
Analysis Batch: 11652

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11514

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.050		mg/Kg		09/03/24 11:24	09/04/24 22:56	1
Toluene	ND		0.050		mg/Kg		09/03/24 11:24	09/04/24 22:56	1
Xylenes, Total	ND		0.10		mg/Kg		09/03/24 11:24	09/04/24 22:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*48 - 145*	*09/03/24 11:24*	*09/04/24 22:56*	*1*

Lab Sample ID: LCS 885-11514/3-A
Matrix: Solid
Analysis Batch: 11652

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11514

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	1.05		mg/Kg		105	70 - 130		
Ethylbenzene			1.00	1.07		mg/Kg		107	70 - 130		
m-Xylene & p-Xylene			2.00	2.11		mg/Kg		106	70 - 130		
o-Xylene			1.00	1.06		mg/Kg		106	70 - 130		
Toluene			1.00	1.07		mg/Kg		107	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*48 - 145*

Lab Sample ID: 885-10997-14 MS
Matrix: Solid
Analysis Batch: 11652

Client Sample ID: BH24-05@2
Prep Type: Total/NA
Prep Batch: 11514

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.950	0.997		mg/Kg		105	70 - 130		
Ethylbenzene	ND		0.950	1.03		mg/Kg		108	70 - 130		
m-Xylene & p-Xylene	ND		1.90	2.03		mg/Kg		107	70 - 130		
o-Xylene	ND		0.950	1.02		mg/Kg		108	70 - 130		
Toluene	ND		0.950	1.02		mg/Kg		107	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*104*		*48 - 145*

Lab Sample ID: 885-10997-14 MSD
Matrix: Solid
Analysis Batch: 11652

Client Sample ID: BH24-05@2
Prep Type: Total/NA
Prep Batch: 11514

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.939	0.969		mg/Kg		103	70 - 130	3	20
Ethylbenzene	ND		0.939	1.01		mg/Kg		107	70 - 130	2	20
m-Xylene & p-Xylene	ND		1.88	1.99		mg/Kg		106	70 - 130	2	20
o-Xylene	ND		0.939	0.994		mg/Kg		106	70 - 130	3	20
Toluene	ND		0.939	1.00		mg/Kg		107	70 - 130	2	20

QC Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

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

Lab Sample ID: 885-10997-14 MSD
Matrix: Solid
Analysis Batch: 11652

Client Sample ID: BH24-05@2
Prep Type: Total/NA
Prep Batch: 11514

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	*106*		*48 - 145*

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-11530/1-A
Matrix: Solid
Analysis Batch: 11503

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11530

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		09/03/24 14:05	09/03/24 20:37	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		09/03/24 14:05	09/03/24 20:37	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*09/03/24 14:05*	*09/03/24 20:37*	*1*

Lab Sample ID: LCS 885-11530/2-A
Matrix: Solid
Analysis Batch: 11503

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11530

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	45.9		mg/Kg		92	60 - 135		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*

Lab Sample ID: 885-10997-11 MS
Matrix: Solid
Analysis Batch: 11503

Client Sample ID: BH24-04@2
Prep Type: Total/NA
Prep Batch: 11530

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		48.1	48.2		mg/Kg		100	44 - 136		

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*106*		*62 - 134*

Lab Sample ID: 885-10997-11 MSD
Matrix: Solid
Analysis Batch: 11503

Client Sample ID: BH24-04@2
Prep Type: Total/NA
Prep Batch: 11530

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		49.5	57.7		mg/Kg		117	44 - 136	18	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	*121*		*62 - 134*

QC Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 885-11535/1-A
Matrix: Solid
Analysis Batch: 11566

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11535

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		09/03/24 15:02	09/04/24 11:10	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		09/03/24 15:02	09/04/24 11:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*91*		*62 - 134*	*09/03/24 15:02*	*09/04/24 11:10*	*1*

Lab Sample ID: LCS 885-11535/2-A
Matrix: Solid
Analysis Batch: 11566

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11535

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	36.7		mg/Kg		73	60 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*84*		*62 - 134*

Lab Sample ID: 885-10997-23 MS
Matrix: Solid
Analysis Batch: 11566

Client Sample ID: BH24-08@2
Prep Type: Total/NA
Prep Batch: 11535

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		46.6	47.9		mg/Kg		103	44 - 136		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*88*		*62 - 134*

Lab Sample ID: 885-10997-23 MSD
Matrix: Solid
Analysis Batch: 11566

Client Sample ID: BH24-08@2
Prep Type: Total/NA
Prep Batch: 11535

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		49.2	49.4		mg/Kg		100	44 - 136	3	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*87*		*62 - 134*

Lab Sample ID: MB 885-11567/1-A
Matrix: Solid
Analysis Batch: 11572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11567

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		09/04/24 09:27	09/04/24 19:17	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		09/04/24 09:27	09/04/24 19:17	1

QC Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 885-11567/1-A
Matrix: Solid
Analysis Batch: 11572

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11567

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	*102*		*62 - 134*	*09/04/24 09:27*	*09/04/24 19:17*	*1*

Lab Sample ID: LCS 885-11567/2-A
Matrix: Solid
Analysis Batch: 11659

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11567

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	60.0		mg/Kg		120	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	*107*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11573/1-A
Matrix: Solid
Analysis Batch: 11665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11573

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/04/24 09:50	09/04/24 11:40	1

Lab Sample ID: LCS 885-11573/2-A
Matrix: Solid
Analysis Batch: 11665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11573

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	31.0		mg/Kg		103	90 - 110

Lab Sample ID: MB 885-11588/1-A
Matrix: Solid
Analysis Batch: 11665

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11588

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/04/24 11:40	09/04/24 18:07	1

Lab Sample ID: LCS 885-11588/2-A
Matrix: Solid
Analysis Batch: 11665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11588

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	31.2		mg/Kg		104	90 - 110

Lab Sample ID: MB 885-11770/35
Matrix: Solid
Analysis Batch: 11770

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

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/Kg			09/05/24 21:00	1

QC Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 885-11770/34
Matrix: Solid
Analysis Batch: 11770

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

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			0.500	0.526		mg/L		105	50 - 150		

QC Association Summary

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

GC VOA

Prep Batch: 11505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-1	BH24-01@1	Total/NA	Solid	5030C	
885-10997-2	BH24-01@2	Total/NA	Solid	5030C	
885-10997-3	BH24-01@4	Total/NA	Solid	5030C	
885-10997-4	BH24-02@1	Total/NA	Solid	5030C	
885-10997-5	BH24-02@2	Total/NA	Solid	5030C	
885-10997-6	BH24-02@4	Total/NA	Solid	5030C	
885-10997-7	BH24-03@1	Total/NA	Solid	5030C	
885-10997-8	BH24-03@2	Total/NA	Solid	5030C	
885-10997-9	BH24-03@4	Total/NA	Solid	5030C	
885-10997-10	BH24-04@1	Total/NA	Solid	5030C	
885-10997-11	BH24-04@2	Total/NA	Solid	5030C	
885-10997-12	BH24-04@4	Total/NA	Solid	5030C	
MB 885-11505/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-11505/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-11505/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 11514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-13	BH24-05@1	Total/NA	Solid	5030C	
885-10997-14	BH24-05@2	Total/NA	Solid	5030C	
885-10997-15	BH24-05@4	Total/NA	Solid	5030C	
885-10997-16	BH24-06@1	Total/NA	Solid	5030C	
885-10997-17	BH24-06@2	Total/NA	Solid	5030C	
885-10997-18	BH24-06@4	Total/NA	Solid	5030C	
885-10997-19	BH24-07@1	Total/NA	Solid	5030C	
885-10997-20	BH24-07@2	Total/NA	Solid	5030C	
885-10997-21	BH24-07@4	Total/NA	Solid	5030C	
885-10997-22	BH24-08@1	Total/NA	Solid	5030C	
885-10997-23	BH24-08@2	Total/NA	Solid	5030C	
885-10997-24	BH24-08@4	Total/NA	Solid	5030C	
MB 885-11514/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-11514/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-11514/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-10997-13 MS	BH24-05@1	Total/NA	Solid	5030C	
885-10997-13 MSD	BH24-05@1	Total/NA	Solid	5030C	
885-10997-14 MS	BH24-05@2	Total/NA	Solid	5030C	
885-10997-14 MSD	BH24-05@2	Total/NA	Solid	5030C	

Analysis Batch: 11649

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-1	BH24-01@1	Total/NA	Solid	8015M/D	11505
885-10997-2	BH24-01@2	Total/NA	Solid	8015M/D	11505
885-10997-3	BH24-01@4	Total/NA	Solid	8015M/D	11505
885-10997-4	BH24-02@1	Total/NA	Solid	8015M/D	11505
885-10997-5	BH24-02@2	Total/NA	Solid	8015M/D	11505
885-10997-6	BH24-02@4	Total/NA	Solid	8015M/D	11505
885-10997-7	BH24-03@1	Total/NA	Solid	8015M/D	11505
885-10997-8	BH24-03@2	Total/NA	Solid	8015M/D	11505
885-10997-9	BH24-03@4	Total/NA	Solid	8015M/D	11505
885-10997-10	BH24-04@1	Total/NA	Solid	8015M/D	11505
885-10997-11	BH24-04@2	Total/NA	Solid	8015M/D	11505

QC Association Summary

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

GC VOA (Continued)

Analysis Batch: 11649 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-12	BH24-04@4	Total/NA	Solid	8015M/D	11505
MB 885-11505/1-A	Method Blank	Total/NA	Solid	8015M/D	11505
LCS 885-11505/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	11505

Analysis Batch: 11650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-13	BH24-05@1	Total/NA	Solid	8015M/D	11514
885-10997-14	BH24-05@2	Total/NA	Solid	8015M/D	11514
885-10997-15	BH24-05@4	Total/NA	Solid	8015M/D	11514
885-10997-16	BH24-06@1	Total/NA	Solid	8015M/D	11514
885-10997-17	BH24-06@2	Total/NA	Solid	8015M/D	11514
885-10997-18	BH24-06@4	Total/NA	Solid	8015M/D	11514
885-10997-19	BH24-07@1	Total/NA	Solid	8015M/D	11514
885-10997-20	BH24-07@2	Total/NA	Solid	8015M/D	11514
885-10997-21	BH24-07@4	Total/NA	Solid	8015M/D	11514
885-10997-22	BH24-08@1	Total/NA	Solid	8015M/D	11514
885-10997-23	BH24-08@2	Total/NA	Solid	8015M/D	11514
885-10997-24	BH24-08@4	Total/NA	Solid	8015M/D	11514
MB 885-11514/1-A	Method Blank	Total/NA	Solid	8015M/D	11514
LCS 885-11514/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	11514
885-10997-13 MS	BH24-05@1	Total/NA	Solid	8015M/D	11514
885-10997-13 MSD	BH24-05@1	Total/NA	Solid	8015M/D	11514

Analysis Batch: 11651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-1	BH24-01@1	Total/NA	Solid	8021B	11505
885-10997-2	BH24-01@2	Total/NA	Solid	8021B	11505
885-10997-3	BH24-01@4	Total/NA	Solid	8021B	11505
885-10997-4	BH24-02@1	Total/NA	Solid	8021B	11505
885-10997-5	BH24-02@2	Total/NA	Solid	8021B	11505
885-10997-6	BH24-02@4	Total/NA	Solid	8021B	11505
885-10997-7	BH24-03@1	Total/NA	Solid	8021B	11505
885-10997-8	BH24-03@2	Total/NA	Solid	8021B	11505
885-10997-9	BH24-03@4	Total/NA	Solid	8021B	11505
885-10997-10	BH24-04@1	Total/NA	Solid	8021B	11505
885-10997-11	BH24-04@2	Total/NA	Solid	8021B	11505
885-10997-12	BH24-04@4	Total/NA	Solid	8021B	11505
MB 885-11505/1-A	Method Blank	Total/NA	Solid	8021B	11505
LCS 885-11505/3-A	Lab Control Sample	Total/NA	Solid	8021B	11505

Analysis Batch: 11652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-13	BH24-05@1	Total/NA	Solid	8021B	11514
885-10997-14	BH24-05@2	Total/NA	Solid	8021B	11514
885-10997-15	BH24-05@4	Total/NA	Solid	8021B	11514
885-10997-16	BH24-06@1	Total/NA	Solid	8021B	11514
885-10997-17	BH24-06@2	Total/NA	Solid	8021B	11514
885-10997-18	BH24-06@4	Total/NA	Solid	8021B	11514
885-10997-19	BH24-07@1	Total/NA	Solid	8021B	11514
885-10997-20	BH24-07@2	Total/NA	Solid	8021B	11514
885-10997-21	BH24-07@4	Total/NA	Solid	8021B	11514

QC Association Summary

Client: Vertex
Job ID: 885-10997-1
Project/Site: White Dove 17 CTB 3

GC VOA (Continued)

Analysis Batch: 11652 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-22	BH24-08@1	Total/NA	Solid	8021B	11514
885-10997-23	BH24-08@2	Total/NA	Solid	8021B	11514
885-10997-24	BH24-08@4	Total/NA	Solid	8021B	11514
MB 885-11514/1-A	Method Blank	Total/NA	Solid	8021B	11514
LCS 885-11514/3-A	Lab Control Sample	Total/NA	Solid	8021B	11514
885-10997-14 MS	BH24-05@2	Total/NA	Solid	8021B	11514
885-10997-14 MSD	BH24-05@2	Total/NA	Solid	8021B	11514

GC Semi VOA

Analysis Batch: 11503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-1	BH24-01@1	Total/NA	Solid	8015M/D	11530
885-10997-2	BH24-01@2	Total/NA	Solid	8015M/D	11530
885-10997-3	BH24-01@4	Total/NA	Solid	8015M/D	11530
885-10997-4	BH24-02@1	Total/NA	Solid	8015M/D	11530
885-10997-5	BH24-02@2	Total/NA	Solid	8015M/D	11530
885-10997-6	BH24-02@4	Total/NA	Solid	8015M/D	11530
885-10997-7	BH24-03@1	Total/NA	Solid	8015M/D	11530
885-10997-8	BH24-03@2	Total/NA	Solid	8015M/D	11530
885-10997-9	BH24-03@4	Total/NA	Solid	8015M/D	11530
885-10997-10	BH24-04@1	Total/NA	Solid	8015M/D	11530
885-10997-11	BH24-04@2	Total/NA	Solid	8015M/D	11530
MB 885-11530/1-A	Method Blank	Total/NA	Solid	8015M/D	11530
LCS 885-11530/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	11530
885-10997-11 MS	BH24-04@2	Total/NA	Solid	8015M/D	11530
885-10997-11 MSD	BH24-04@2	Total/NA	Solid	8015M/D	11530

Prep Batch: 11530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-1	BH24-01@1	Total/NA	Solid	SHAKE	
885-10997-2	BH24-01@2	Total/NA	Solid	SHAKE	
885-10997-3	BH24-01@4	Total/NA	Solid	SHAKE	
885-10997-4	BH24-02@1	Total/NA	Solid	SHAKE	
885-10997-5	BH24-02@2	Total/NA	Solid	SHAKE	
885-10997-6	BH24-02@4	Total/NA	Solid	SHAKE	
885-10997-7	BH24-03@1	Total/NA	Solid	SHAKE	
885-10997-8	BH24-03@2	Total/NA	Solid	SHAKE	
885-10997-9	BH24-03@4	Total/NA	Solid	SHAKE	
885-10997-10	BH24-04@1	Total/NA	Solid	SHAKE	
885-10997-11	BH24-04@2	Total/NA	Solid	SHAKE	
MB 885-11530/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-11530/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-10997-11 MS	BH24-04@2	Total/NA	Solid	SHAKE	
885-10997-11 MSD	BH24-04@2	Total/NA	Solid	SHAKE	

Prep Batch: 11535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-12	BH24-04@4	Total/NA	Solid	SHAKE	
885-10997-13	BH24-05@1	Total/NA	Solid	SHAKE	
885-10997-14	BH24-05@2	Total/NA	Solid	SHAKE	

QC Association Summary

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

GC Semi VOA (Continued)

Prep Batch: 11535 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-15	BH24-05@4	Total/NA	Solid	SHAKE	
885-10997-16	BH24-06@1	Total/NA	Solid	SHAKE	
885-10997-17	BH24-06@2	Total/NA	Solid	SHAKE	
885-10997-18	BH24-06@4	Total/NA	Solid	SHAKE	
885-10997-19	BH24-07@1	Total/NA	Solid	SHAKE	
885-10997-20	BH24-07@2	Total/NA	Solid	SHAKE	
885-10997-21	BH24-07@4	Total/NA	Solid	SHAKE	
885-10997-22	BH24-08@1	Total/NA	Solid	SHAKE	
885-10997-23	BH24-08@2	Total/NA	Solid	SHAKE	
MB 885-11535/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-11535/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-10997-23 MS	BH24-08@2	Total/NA	Solid	SHAKE	
885-10997-23 MSD	BH24-08@2	Total/NA	Solid	SHAKE	

Analysis Batch: 11566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-12	BH24-04@4	Total/NA	Solid	8015M/D	11535
885-10997-13	BH24-05@1	Total/NA	Solid	8015M/D	11535
885-10997-14	BH24-05@2	Total/NA	Solid	8015M/D	11535
885-10997-15	BH24-05@4	Total/NA	Solid	8015M/D	11535
885-10997-16	BH24-06@1	Total/NA	Solid	8015M/D	11535
885-10997-17	BH24-06@2	Total/NA	Solid	8015M/D	11535
885-10997-18	BH24-06@4	Total/NA	Solid	8015M/D	11535
885-10997-19	BH24-07@1	Total/NA	Solid	8015M/D	11535
885-10997-20	BH24-07@2	Total/NA	Solid	8015M/D	11535
885-10997-21	BH24-07@4	Total/NA	Solid	8015M/D	11535
885-10997-22	BH24-08@1	Total/NA	Solid	8015M/D	11535
885-10997-23	BH24-08@2	Total/NA	Solid	8015M/D	11535
MB 885-11535/1-A	Method Blank	Total/NA	Solid	8015M/D	11535
LCS 885-11535/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	11535
885-10997-23 MS	BH24-08@2	Total/NA	Solid	8015M/D	11535
885-10997-23 MSD	BH24-08@2	Total/NA	Solid	8015M/D	11535

Prep Batch: 11567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-24	BH24-08@4	Total/NA	Solid	SHAKE	
MB 885-11567/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-11567/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 11572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-24	BH24-08@4	Total/NA	Solid	8015M/D	11567
MB 885-11567/1-A	Method Blank	Total/NA	Solid	8015M/D	11567

Analysis Batch: 11659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-11567/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	11567

QC Association Summary

Client: Vertex
Job ID: 885-10997-1
Project/Site: White Dove 17 CTB 3

HPLC/IC

Prep Batch: 11573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-1	BH24-01@1	Total/NA	Solid	300_Prep	
885-10997-2	BH24-01@2	Total/NA	Solid	300_Prep	
885-10997-3	BH24-01@4	Total/NA	Solid	300_Prep	
885-10997-4	BH24-02@1	Total/NA	Solid	300_Prep	
885-10997-5	BH24-02@2	Total/NA	Solid	300_Prep	
885-10997-6	BH24-02@4	Total/NA	Solid	300_Prep	
MB 885-11573/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-11573/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Prep Batch: 11588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-7	BH24-03@1	Total/NA	Solid	300_Prep	
885-10997-8	BH24-03@2	Total/NA	Solid	300_Prep	
885-10997-9	BH24-03@4	Total/NA	Solid	300_Prep	
885-10997-10	BH24-04@1	Total/NA	Solid	300_Prep	
885-10997-11	BH24-04@2	Total/NA	Solid	300_Prep	
885-10997-12	BH24-04@4	Total/NA	Solid	300_Prep	
885-10997-13	BH24-05@1	Total/NA	Solid	300_Prep	
885-10997-14	BH24-05@2	Total/NA	Solid	300_Prep	
885-10997-15	BH24-05@4	Total/NA	Solid	300_Prep	
885-10997-16	BH24-06@1	Total/NA	Solid	300_Prep	
885-10997-17	BH24-06@2	Total/NA	Solid	300_Prep	
885-10997-18	BH24-06@4	Total/NA	Solid	300_Prep	
885-10997-19	BH24-07@1	Total/NA	Solid	300_Prep	
885-10997-20	BH24-07@2	Total/NA	Solid	300_Prep	
885-10997-21	BH24-07@4	Total/NA	Solid	300_Prep	
885-10997-22	BH24-08@1	Total/NA	Solid	300_Prep	
885-10997-23	BH24-08@2	Total/NA	Solid	300_Prep	
885-10997-24	BH24-08@4	Total/NA	Solid	300_Prep	
MB 885-11588/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-11588/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 11665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-3	BH24-01@4	Total/NA	Solid	300.0	11573
885-10997-4	BH24-02@1	Total/NA	Solid	300.0	11573
885-10997-10	BH24-04@1	Total/NA	Solid	300.0	11588
885-10997-12	BH24-04@4	Total/NA	Solid	300.0	11588
885-10997-15	BH24-05@4	Total/NA	Solid	300.0	11588
885-10997-16	BH24-06@1	Total/NA	Solid	300.0	11588
885-10997-17	BH24-06@2	Total/NA	Solid	300.0	11588
885-10997-18	BH24-06@4	Total/NA	Solid	300.0	11588
885-10997-19	BH24-07@1	Total/NA	Solid	300.0	11588
885-10997-20	BH24-07@2	Total/NA	Solid	300.0	11588
885-10997-21	BH24-07@4	Total/NA	Solid	300.0	11588
885-10997-24	BH24-08@4	Total/NA	Solid	300.0	11588
MB 885-11573/1-A	Method Blank	Total/NA	Solid	300.0	11573
MB 885-11588/1-A	Method Blank	Total/NA	Solid	300.0	11588
LCS 885-11573/2-A	Lab Control Sample	Total/NA	Solid	300.0	11573
LCS 885-11588/2-A	Lab Control Sample	Total/NA	Solid	300.0	11588

QC Association Summary

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-10997-1

HPLC/IC

Analysis Batch: 11770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10997-1	BH24-01@1	Total/NA	Solid	300.0	11573
885-10997-2	BH24-01@2	Total/NA	Solid	300.0	11573
885-10997-5	BH24-02@2	Total/NA	Solid	300.0	11573
885-10997-6	BH24-02@4	Total/NA	Solid	300.0	11573
885-10997-7	BH24-03@1	Total/NA	Solid	300.0	11588
885-10997-8	BH24-03@2	Total/NA	Solid	300.0	11588
885-10997-9	BH24-03@4	Total/NA	Solid	300.0	11588
885-10997-11	BH24-04@2	Total/NA	Solid	300.0	11588
885-10997-13	BH24-05@1	Total/NA	Solid	300.0	11588
885-10997-14	BH24-05@2	Total/NA	Solid	300.0	11588
885-10997-22	BH24-08@1	Total/NA	Solid	300.0	11588
885-10997-23	BH24-08@2	Total/NA	Solid	300.0	11588
MB 885-11770/35	Method Blank	Total/NA	Solid	300.0	
MRL 885-11770/34	Lab Control Sample	Total/NA	Solid	300.0	

Lab Chronicle

Client: Vertex
Job ID: 885-10997-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH24-01@1
Lab Sample ID: 885-10997-1
Date Collected: 08/26/24 10:32
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8015M/D		1	11649	AT	EET ALB	09/04/24 16:46
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8021B		1	11651	AT	EET ALB	09/04/24 16:46
Total/NA	Prep	SHAKE			11530	KR	EET ALB	09/03/24 14:05
Total/NA	Analysis	8015M/D		1	11503	KR	EET ALB	09/03/24 23:35
Total/NA	Prep	300_Prep			11573	EH	EET ALB	09/04/24 09:50
Total/NA	Analysis	300.0		50	11770	JT	EET ALB	09/05/24 16:57

Client Sample ID: BH24-01@2
Lab Sample ID: 885-10997-2
Date Collected: 08/26/24 10:37
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8015M/D		1	11649	AT	EET ALB	09/04/24 17:08
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8021B		1	11651	AT	EET ALB	09/04/24 17:08
Total/NA	Prep	SHAKE			11530	KR	EET ALB	09/03/24 14:05
Total/NA	Analysis	8015M/D		1	11503	KR	EET ALB	09/03/24 23:49
Total/NA	Prep	300_Prep			11573	EH	EET ALB	09/04/24 09:50
Total/NA	Analysis	300.0		50	11770	JT	EET ALB	09/05/24 17:12

Client Sample ID: BH24-01@4
Lab Sample ID: 885-10997-3
Date Collected: 08/26/24 10:40
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8015M/D		1	11649	AT	EET ALB	09/04/24 17:52
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8021B		1	11651	AT	EET ALB	09/04/24 17:52
Total/NA	Prep	SHAKE			11530	KR	EET ALB	09/03/24 14:05
Total/NA	Analysis	8015M/D		1	11503	KR	EET ALB	09/04/24 00:03
Total/NA	Prep	300_Prep			11573	EH	EET ALB	09/04/24 09:50
Total/NA	Analysis	300.0		20	11665	JT	EET ALB	09/04/24 17:15

Client Sample ID: BH24-02@1
Lab Sample ID: 885-10997-4
Date Collected: 08/26/24 10:43
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8015M/D		1	11649	AT	EET ALB	09/04/24 18:13

Lab Chronicle

Client: Vertex
Job ID: 885-10997-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH24-02@1
Lab Sample ID: 885-10997-4
Date Collected: 08/26/24 10:43
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8021B		1	11651	AT	EET ALB	09/04/24 18:13
Total/NA	Prep	SHAKE			11530	KR	EET ALB	09/03/24 14:05
Total/NA	Analysis	8015M/D		1	11503	KR	EET ALB	09/04/24 00:17
Total/NA	Prep	300_Prep			11573	EH	EET ALB	09/04/24 09:50
Total/NA	Analysis	300.0		20	11665	JT	EET ALB	09/04/24 17:28

Client Sample ID: BH24-02@2
Lab Sample ID: 885-10997-5
Date Collected: 08/26/24 10:45
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8015M/D		1	11649	AT	EET ALB	09/04/24 18:35
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8021B		1	11651	AT	EET ALB	09/04/24 18:35
Total/NA	Prep	SHAKE			11530	KR	EET ALB	09/03/24 14:05
Total/NA	Analysis	8015M/D		1	11503	KR	EET ALB	09/04/24 00:30
Total/NA	Prep	300_Prep			11573	EH	EET ALB	09/04/24 09:50
Total/NA	Analysis	300.0		50	11770	JT	EET ALB	09/05/24 17:28

Client Sample ID: BH24-02@4
Lab Sample ID: 885-10997-6
Date Collected: 08/26/24 10:48
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8015M/D		1	11649	AT	EET ALB	09/04/24 18:57
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8021B		1	11651	AT	EET ALB	09/04/24 18:57
Total/NA	Prep	SHAKE			11530	KR	EET ALB	09/03/24 14:05
Total/NA	Analysis	8015M/D		1	11503	KR	EET ALB	09/04/24 00:44
Total/NA	Prep	300_Prep			11573	EH	EET ALB	09/04/24 09:50
Total/NA	Analysis	300.0		50	11770	JT	EET ALB	09/05/24 17:43

Client Sample ID: BH24-03@1
Lab Sample ID: 885-10997-7
Date Collected: 08/26/24 10:54
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8015M/D		1	11649	AT	EET ALB	09/04/24 19:19
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8021B		1	11651	AT	EET ALB	09/04/24 19:19

Lab Chronicle

Client: Vertex
Job ID: 885-10997-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH24-03@1
Lab Sample ID: 885-10997-7
Date Collected: 08/26/24 10:54
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			11530	KR	EET ALB	09/03/24 14:05
Total/NA	Analysis	8015M/D		1	11503	KR	EET ALB	09/04/24 01:11
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		50	11770	JT	EET ALB	09/05/24 17:58

Client Sample ID: BH24-03@2
Lab Sample ID: 885-10997-8
Date Collected: 08/26/24 11:02
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8015M/D		1	11649	AT	EET ALB	09/04/24 19:41
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8021B		1	11651	AT	EET ALB	09/04/24 19:41
Total/NA	Prep	SHAKE			11530	KR	EET ALB	09/03/24 14:05
Total/NA	Analysis	8015M/D		1	11503	KR	EET ALB	09/04/24 01:25
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		50	11770	JT	EET ALB	09/05/24 18:13

Client Sample ID: BH24-03@4
Lab Sample ID: 885-10997-9
Date Collected: 08/26/24 11:07
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8015M/D		1	11649	AT	EET ALB	09/04/24 20:02
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8021B		1	11651	AT	EET ALB	09/04/24 20:02
Total/NA	Prep	SHAKE			11530	KR	EET ALB	09/03/24 14:05
Total/NA	Analysis	8015M/D		1	11503	KR	EET ALB	09/04/24 01:39
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		50	11770	JT	EET ALB	09/05/24 18:58

Client Sample ID: BH24-04@1
Lab Sample ID: 885-10997-10
Date Collected: 08/26/24 11:18
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8015M/D		1	11649	AT	EET ALB	09/04/24 20:24
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8021B		1	11651	AT	EET ALB	09/04/24 20:24
Total/NA	Prep	SHAKE			11530	KR	EET ALB	09/03/24 14:05
Total/NA	Analysis	8015M/D		1	11503	KR	EET ALB	09/04/24 01:52

Lab Chronicle

Client: Vertex
Job ID: 885-10997-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH24-04@1
Lab Sample ID: 885-10997-10
Date Collected: 08/26/24 11:18
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		20	11665	JT	EET ALB	09/04/24 20:03

Client Sample ID: BH24-04@2
Lab Sample ID: 885-10997-11
Date Collected: 08/26/24 11:21
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8015M/D		1	11649	AT	EET ALB	09/04/24 20:46
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8021B		1	11651	AT	EET ALB	09/04/24 20:46
Total/NA	Prep	SHAKE			11530	KR	EET ALB	09/03/24 14:05
Total/NA	Analysis	8015M/D		1	11503	KR	EET ALB	09/04/24 02:06
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		50	11770	JT	EET ALB	09/05/24 19:14

Client Sample ID: BH24-04@4
Lab Sample ID: 885-10997-12
Date Collected: 08/26/24 11:24
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8015M/D		1	11649	AT	EET ALB	09/04/24 21:08
Total/NA	Prep	5030C			11505	JP	EET ALB	09/03/24 10:32
Total/NA	Analysis	8021B		1	11651	AT	EET ALB	09/04/24 21:08
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 13:08
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		20	11665	JT	EET ALB	09/04/24 20:28

Client Sample ID: BH24-05@1
Lab Sample ID: 885-10997-13
Date Collected: 08/26/24 11:35
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/04/24 23:18
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/04/24 23:18
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 13:19
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		500	11770	JT	EET ALB	09/05/24 19:29

Lab Chronicle

Client: Vertex
Job ID: 885-10997-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH24-05@2
Lab Sample ID: 885-10997-14
Date Collected: 08/26/24 11:40
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 00:23
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 00:23
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 13:29
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		100	11770	JT	EET ALB	09/05/24 19:44

Client Sample ID: BH24-05@4
Lab Sample ID: 885-10997-15
Date Collected: 08/26/24 11:44
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 01:28
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 01:28
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 13:40
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		20	11665	JT	EET ALB	09/04/24 21:07

Client Sample ID: BH24-06@1
Lab Sample ID: 885-10997-16
Date Collected: 08/26/24 11:47
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 01:50
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 01:50
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 13:51
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		20	11665	JT	EET ALB	09/04/24 21:20

Client Sample ID: BH24-06@2
Lab Sample ID: 885-10997-17
Date Collected: 08/26/24 11:53
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 02:12

Lab Chronicle

Client: Vertex
Job ID: 885-10997-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH24-06@2
Lab Sample ID: 885-10997-17
Date Collected: 08/26/24 11:53
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 02:12
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 14:02
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		20	11665	JT	EET ALB	09/04/24 21:58

Client Sample ID: BH24-06@4
Lab Sample ID: 885-10997-18
Date Collected: 08/26/24 11:57
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 02:33
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 02:33
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 14:12
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		20	11665	JT	EET ALB	09/04/24 22:37

Client Sample ID: BH24-07@1
Lab Sample ID: 885-10997-19
Date Collected: 08/26/24 12:05
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 02:55
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 02:55
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 14:23
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		20	11665	JT	EET ALB	09/04/24 22:50

Client Sample ID: BH24-07@2
Lab Sample ID: 885-10997-20
Date Collected: 08/26/24 12:10
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 03:17
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 03:17

Lab Chronicle

Client: Vertex
Job ID: 885-10997-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH24-07@2
Lab Sample ID: 885-10997-20
Date Collected: 08/26/24 12:10
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 14:34
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		20	11665	JT	EET ALB	09/04/24 23:03

Client Sample ID: BH24-07@4
Lab Sample ID: 885-10997-21
Date Collected: 08/26/24 12:15
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 03:39
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 03:39
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 14:45
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		20	11665	JT	EET ALB	09/04/24 23:16

Client Sample ID: BH24-08@1
Lab Sample ID: 885-10997-22
Date Collected: 08/26/24 12:24
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 04:00
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 04:00
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 14:56
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		100	11770	JT	EET ALB	09/05/24 19:59

Client Sample ID: BH24-08@2
Lab Sample ID: 885-10997-23
Date Collected: 08/26/24 12:29
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 04:44
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 04:44
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 15:07

Lab Chronicle

Client: Vertex
Job ID: 885-10997-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH24-08@2
Lab Sample ID: 885-10997-23
Date Collected: 08/26/24 12:29
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		200	11770	JT	EET ALB	09/05/24 20:14

Client Sample ID: BH24-08@4
Lab Sample ID: 885-10997-24
Date Collected: 08/26/24 12:34
Matrix: Solid
Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 05:06
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 05:06
Total/NA	Prep	SHAKE			11567	KR	EET ALB	09/04/24 09:27
Total/NA	Analysis	8015M/D		1	11572	KR	EET ALB	09/04/24 20:05
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		20	11665	JT	EET ALB	09/04/24 23:54

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Vertex Job ID: 885-10997-1
Project/Site: White Dove 17 CTB 3

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

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
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total

Oregon	NELAP	NM100001	02-26-25

Chain-of-Custody Record

Client: Vertex (Bill to Devon)

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☑ Rush 5 Days

Project Name: White dove 17 CTB 3

Project #: 24E-03262

Project Manager: Chad Hensley
cHensley@vertexresource.com
R. Plogger@vertexresource.com

Sampler: R. Plogger
On Ice: ☑ Yes ☐ No yogi
# of Coolers: 1
Cooler Temp(including CF): 5.4 ±0 = 5.4 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

885-10997 COC

Analysis Request

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)
8.26.24	10:32		BH24-01 @ 1	4oz Jar	Ice	1	X	X					X			
	10:37		01 @ 2			2										
	10:40		01 @ 4			3										
	10:43		02 @ 1			4										
	10:45		02 @ 2			5										
	10:48		02 @ 4			6										
	10:54		03 @ 1			7										
	11:02		03 @ 2			8										
	11:07		03 @ 4			9										
	11:18		04 @ 1			10										
	11:21		04 @ 2			11										
	11:24		04 @ 4			12										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8/27/24	915	R. Plogger			8/30/24	915
8/30/24	1900			courier	8/31/24	9:30

Remarks:
WO# 213637778

Dale Woodall
Incident # nAPP2417440880

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.

Chain-of-Custody Record

Client: Vertex (Bill to Devon)

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☑ Rush 5 Days

Project Name: White Dove 17 CTB 3

Project #: 24E-03262

Project Manager: Chad Hensley
CHensley@vertexresource.com
RPlosser@vertexresource.com

Sampler: R Plosser

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 5.4 +0 = 5.4 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

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)
8.26.24	11:35	soil	BH24-05 @ 1	4oz jar	Ice	13	X	X					X			
	11:40		05 @ 2			14										
	11:44		05 @ 4			15										
	11:47		06 @ 1			16										
	11:53		06 @ 2			17										
	11:57		06 @ 4			18										
	12:05		07 @ 1			19										
	12:10		07 @ 2			20										
	12:15		07 @ 4			21										
	12:24		08 @ 1			22										
	12:29		08 @ 2			23										
	12:34		08 @ 4			24										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
8/30/24	915	R. Plosser			8/30/24	915
8/30/24	1900			courier	8/31/24	9:30

Remarks:

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: 885-10997-1

Login Number: 10997 **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.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Sally Carttar
Vertex
3101 Boyd Dr
Carlsbad, New Mexico 88220

Generated 2/21/2025 10:18:40 AM

JOB DESCRIPTION

White Dove 17 CTB 3

JOB NUMBER

885-19961-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.

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

Generated
2/21/2025 10:18:40 AM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Vertex
Project/Site: White Dove 17 CTB 3

Laboratory Job ID: 885-19961-1

Table of Contents

Definitions/Glossary

Client: Vertex Job ID: 885-19961-1
Project/Site: White Dove 17 CTB 3

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: White Dove 17 CTB 3

Job ID: 885-19961-1

Job ID: 885-19961-1 Eurofins Albuquerque

Job Narrative
885-19961-1

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 2/14/2025 7:42 AM. 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 3.4°C.

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

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

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

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

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH25-09 0'

Date Collected: 02/11/25 09:30
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-1

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		02/14/25 14:56	02/17/25 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*35 - 166*	*02/14/25 14:56*	*02/17/25 23:39*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		02/14/25 14:56	02/17/25 23:39	1
Ethylbenzene	ND		0.050		mg/Kg		02/14/25 14:56	02/17/25 23:39	1
Toluene	ND		0.050		mg/Kg		02/14/25 14:56	02/17/25 23:39	1
Xylenes, Total	ND		0.099		mg/Kg		02/14/25 14:56	02/17/25 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*48 - 145*	*02/14/25 14:56*	*02/17/25 23:39*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		02/17/25 11:59	02/18/25 01:37	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		02/17/25 11:59	02/18/25 01:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*93*		*62 - 134*	*02/17/25 11:59*	*02/18/25 01:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1900**		60		mg/Kg		02/17/25 09:09	02/17/25 12:10	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH25-09 2'

Date Collected: 02/11/25 09:40
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-2

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		02/14/25 14:56	02/18/25 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*35 - 166*	*02/14/25 14:56*	*02/18/25 00:45*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		02/14/25 14:56	02/18/25 00:45	1
Ethylbenzene	ND		0.050		mg/Kg		02/14/25 14:56	02/18/25 00:45	1
Toluene	ND		0.050		mg/Kg		02/14/25 14:56	02/18/25 00:45	1
Xylenes, Total	ND		0.10		mg/Kg		02/14/25 14:56	02/18/25 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*48 - 145*	*02/14/25 14:56*	*02/18/25 00:45*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		02/17/25 11:59	02/18/25 02:00	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		02/17/25 11:59	02/18/25 02:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*02/17/25 11:59*	*02/18/25 02:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/17/25 09:09	02/17/25 12:51	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH25-09 4'

Date Collected: 02/11/25 09:50
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-3

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6		mg/Kg		02/14/25 14:56	02/18/25 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*35 - 166*	*02/14/25 14:56*	*02/18/25 01:50*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		02/14/25 14:56	02/18/25 01:50	1
Ethylbenzene	ND		0.046		mg/Kg		02/14/25 14:56	02/18/25 01:50	1
Toluene	ND		0.046		mg/Kg		02/14/25 14:56	02/18/25 01:50	1
Xylenes, Total	ND		0.092		mg/Kg		02/14/25 14:56	02/18/25 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*48 - 145*	*02/14/25 14:56*	*02/18/25 01:50*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		02/17/25 11:59	02/18/25 02:24	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		02/17/25 11:59	02/18/25 02:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*92*		*62 - 134*	*02/17/25 11:59*	*02/18/25 02:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**200**		60		mg/Kg		02/17/25 09:09	02/17/25 13:32	20

Client Sample Results

Client: Vertex
Job ID: 885-19961-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH25-10 0'
Lab Sample ID: 885-19961-4
Date Collected: 02/11/25 10:00
Matrix: Solid
Date Received: 02/14/25 07:42

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		02/14/25 14:56	02/18/25 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*35 - 166*	*02/14/25 14:56*	*02/18/25 02:12*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		02/14/25 14:56	02/18/25 02:12	1
Ethylbenzene	ND		0.048		mg/Kg		02/14/25 14:56	02/18/25 02:12	1
Toluene	ND		0.048		mg/Kg		02/14/25 14:56	02/18/25 02:12	1
Xylenes, Total	ND		0.097		mg/Kg		02/14/25 14:56	02/18/25 02:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*48 - 145*	*02/14/25 14:56*	*02/18/25 02:12*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2		mg/Kg		02/17/25 11:59	02/18/25 02:47	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		02/17/25 11:59	02/18/25 02:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*	*02/17/25 11:59*	*02/18/25 02:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/17/25 09:09	02/17/25 13:46	20

Client Sample Results

Client: Vertex
Job ID: 885-19961-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH25-10 2'
Lab Sample ID: 885-19961-5
Date Collected: 02/11/25 10:10
Matrix: Solid
Date Received: 02/14/25 07:42

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		02/14/25 14:56	02/18/25 02:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*35 - 166*	*02/14/25 14:56*	*02/18/25 02:34*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		02/14/25 14:56	02/18/25 02:34	1
Ethylbenzene	ND		0.047		mg/Kg		02/14/25 14:56	02/18/25 02:34	1
Toluene	ND		0.047		mg/Kg		02/14/25 14:56	02/18/25 02:34	1
Xylenes, Total	ND		0.095		mg/Kg		02/14/25 14:56	02/18/25 02:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*48 - 145*	*02/14/25 14:56*	*02/18/25 02:34*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		02/17/25 11:59	02/18/25 03:11	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		02/17/25 11:59	02/18/25 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*95*		*62 - 134*	*02/17/25 11:59*	*02/18/25 03:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		59		mg/Kg		02/17/25 09:09	02/17/25 14:33	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH25-10 4'

Date Collected: 02/11/25 10:20
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-6

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		02/14/25 14:56	02/18/25 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*35 - 166*	*02/14/25 14:56*	*02/18/25 02:55*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		02/14/25 14:56	02/18/25 02:55	1
Ethylbenzene	ND		0.047		mg/Kg		02/14/25 14:56	02/18/25 02:55	1
Toluene	ND		0.047		mg/Kg		02/14/25 14:56	02/18/25 02:55	1
Xylenes, Total	ND		0.095		mg/Kg		02/14/25 14:56	02/18/25 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*48 - 145*	*02/14/25 14:56*	*02/18/25 02:55*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		02/17/25 11:59	02/18/25 03:34	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		02/17/25 11:59	02/18/25 03:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*02/17/25 11:59*	*02/18/25 03:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/17/25 09:09	02/17/25 14:46	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH25-11 0'

Date Collected: 02/11/25 10:30
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-7

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6		mg/Kg		02/14/25 14:56	02/18/25 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*35 - 166*	*02/14/25 14:56*	*02/18/25 03:17*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		02/14/25 14:56	02/18/25 03:17	1
Ethylbenzene	ND		0.046		mg/Kg		02/14/25 14:56	02/18/25 03:17	1
Toluene	ND		0.046		mg/Kg		02/14/25 14:56	02/18/25 03:17	1
Xylenes, Total	ND		0.093		mg/Kg		02/14/25 14:56	02/18/25 03:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*48 - 145*	*02/14/25 14:56*	*02/18/25 03:17*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		02/17/25 11:59	02/18/25 03:57	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		02/17/25 11:59	02/18/25 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*02/17/25 11:59*	*02/18/25 03:57*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/17/25 09:09	02/17/25 15:00	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH25-11 2'

Date Collected: 02/11/25 10:40
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-8

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		02/14/25 14:56	02/18/25 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*35 - 166*	*02/14/25 14:56*	*02/18/25 03:39*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		02/14/25 14:56	02/18/25 03:39	1
Ethylbenzene	ND		0.048		mg/Kg		02/14/25 14:56	02/18/25 03:39	1
Toluene	ND		0.048		mg/Kg		02/14/25 14:56	02/18/25 03:39	1
Xylenes, Total	ND		0.095		mg/Kg		02/14/25 14:56	02/18/25 03:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*48 - 145*	*02/14/25 14:56*	*02/18/25 03:39*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1		mg/Kg		02/17/25 11:59	02/18/25 04:21	1
Motor Oil Range Organics [C28-C40]	ND		45		mg/Kg		02/17/25 11:59	02/18/25 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*97*		*62 - 134*	*02/17/25 11:59*	*02/18/25 04:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/17/25 09:09	02/17/25 15:13	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH25-11 4'

Date Collected: 02/11/25 10:50
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-9

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		02/14/25 14:56	02/18/25 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*35 - 166*	*02/14/25 14:56*	*02/18/25 04:01*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		02/14/25 14:56	02/18/25 04:01	1
Ethylbenzene	ND		0.047		mg/Kg		02/14/25 14:56	02/18/25 04:01	1
Toluene	ND		0.047		mg/Kg		02/14/25 14:56	02/18/25 04:01	1
Xylenes, Total	ND		0.094		mg/Kg		02/14/25 14:56	02/18/25 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*48 - 145*	*02/14/25 14:56*	*02/18/25 04:01*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		02/17/25 11:59	02/18/25 04:44	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		02/17/25 11:59	02/18/25 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*02/17/25 11:59*	*02/18/25 04:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/17/25 09:09	02/17/25 15:27	20

Client Sample Results

Client: Vertex
Job ID: 885-19961-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH25-12 0'
Lab Sample ID: 885-19961-10
Date Collected: 02/11/25 11:00
Matrix: Solid
Date Received: 02/14/25 07:42

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		02/14/25 14:56	02/18/25 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*35 - 166*	*02/14/25 14:56*	*02/18/25 04:23*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		02/14/25 14:56	02/18/25 04:23	1
Ethylbenzene	ND		0.049		mg/Kg		02/14/25 14:56	02/18/25 04:23	1
Toluene	ND		0.049		mg/Kg		02/14/25 14:56	02/18/25 04:23	1
Xylenes, Total	ND		0.098		mg/Kg		02/14/25 14:56	02/18/25 04:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*	*02/14/25 14:56*	*02/18/25 04:23*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		02/17/25 11:59	02/18/25 05:08	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		02/17/25 11:59	02/18/25 05:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*91*		*62 - 134*	*02/17/25 11:59*	*02/18/25 05:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/17/25 09:09	02/17/25 15:41	20

Client Sample Results

Client: Vertex
Job ID: 885-19961-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH25-12 2'
Lab Sample ID: 885-19961-11
Date Collected: 02/11/25 11:10
Matrix: Solid
Date Received: 02/14/25 07:42

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		02/14/25 14:56	02/18/25 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*35 - 166*	*02/14/25 14:56*	*02/18/25 05:06*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		02/14/25 14:56	02/18/25 05:06	1
Ethylbenzene	ND		0.049		mg/Kg		02/14/25 14:56	02/18/25 05:06	1
Toluene	ND		0.049		mg/Kg		02/14/25 14:56	02/18/25 05:06	1
Xylenes, Total	ND		0.097		mg/Kg		02/14/25 14:56	02/18/25 05:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*48 - 145*	*02/14/25 14:56*	*02/18/25 05:06*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		02/17/25 11:59	02/18/25 05:54	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		02/17/25 11:59	02/18/25 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*96*		*62 - 134*	*02/17/25 11:59*	*02/18/25 05:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/17/25 09:09	02/17/25 15:54	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH25-12 4'

Date Collected: 02/11/25 11:20
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-12

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		02/14/25 14:56	02/18/25 05:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*35 - 166*	*02/14/25 14:56*	*02/18/25 05:28*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		02/14/25 14:56	02/18/25 05:28	1
Ethylbenzene	ND		0.049		mg/Kg		02/14/25 14:56	02/18/25 05:28	1
Toluene	ND		0.049		mg/Kg		02/14/25 14:56	02/18/25 05:28	1
Xylenes, Total	ND		0.098		mg/Kg		02/14/25 14:56	02/18/25 05:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*	*02/14/25 14:56*	*02/18/25 05:28*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**11**		9.4		mg/Kg		02/17/25 11:59	02/18/25 06:18	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		02/17/25 11:59	02/18/25 06:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*02/17/25 11:59*	*02/18/25 06:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/17/25 09:09	02/17/25 16:08	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH25-13 0'

Date Collected: 02/11/25 11:30
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-13

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		02/14/25 14:56	02/18/25 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*35 - 166*	*02/14/25 14:56*	*02/18/25 05:50*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		02/14/25 14:56	02/18/25 05:50	1
Ethylbenzene	ND		0.047		mg/Kg		02/14/25 14:56	02/18/25 05:50	1
Toluene	ND		0.047		mg/Kg		02/14/25 14:56	02/18/25 05:50	1
Xylenes, Total	ND		0.094		mg/Kg		02/14/25 14:56	02/18/25 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*48 - 145*	*02/14/25 14:56*	*02/18/25 05:50*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		02/17/25 11:59	02/18/25 06:41	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		02/17/25 11:59	02/18/25 06:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*100*		*62 - 134*	*02/17/25 11:59*	*02/18/25 06:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/17/25 09:09	02/17/25 16:22	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH25-13 2'

Date Collected: 02/11/25 11:40
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-14

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9		mg/Kg		02/14/25 14:56	02/18/25 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*35 - 166*	*02/14/25 14:56*	*02/18/25 06:12*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		02/14/25 14:56	02/18/25 06:12	1
Ethylbenzene	ND		0.049		mg/Kg		02/14/25 14:56	02/18/25 06:12	1
Toluene	ND		0.049		mg/Kg		02/14/25 14:56	02/18/25 06:12	1
Xylenes, Total	ND		0.099		mg/Kg		02/14/25 14:56	02/18/25 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*48 - 145*	*02/14/25 14:56*	*02/18/25 06:12*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4		mg/Kg		02/17/25 11:59	02/18/25 07:04	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		02/17/25 11:59	02/18/25 07:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*92*		*62 - 134*	*02/17/25 11:59*	*02/18/25 07:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**77**		60		mg/Kg		02/17/25 09:09	02/17/25 16:35	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH25-13 4'

Date Collected: 02/11/25 11:50
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-15

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		02/14/25 14:56	02/18/25 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*35 - 166*	*02/14/25 14:56*	*02/18/25 06:34*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		02/14/25 14:56	02/18/25 06:34	1
Ethylbenzene	ND		0.050		mg/Kg		02/14/25 14:56	02/18/25 06:34	1
Toluene	ND		0.050		mg/Kg		02/14/25 14:56	02/18/25 06:34	1
Xylenes, Total	ND		0.099		mg/Kg		02/14/25 14:56	02/18/25 06:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*48 - 145*	*02/14/25 14:56*	*02/18/25 06:34*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		02/17/25 11:59	02/18/25 07:28	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		02/17/25 11:59	02/18/25 07:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*91*		*62 - 134*	*02/17/25 11:59*	*02/18/25 07:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/17/25 09:09	02/17/25 17:16	20

Client Sample Results

Client: Vertex
Job ID: 885-19961-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH25-14 0'
Lab Sample ID: 885-19961-16
Date Collected: 02/11/25 12:00
Matrix: Solid
Date Received: 02/14/25 07:42

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		02/14/25 14:56	02/18/25 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*35 - 166*	*02/14/25 14:56*	*02/18/25 06:55*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		02/14/25 14:56	02/18/25 06:55	1
Ethylbenzene	ND		0.047		mg/Kg		02/14/25 14:56	02/18/25 06:55	1
Toluene	ND		0.047		mg/Kg		02/14/25 14:56	02/18/25 06:55	1
Xylenes, Total	ND		0.095		mg/Kg		02/14/25 14:56	02/18/25 06:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*48 - 145*	*02/14/25 14:56*	*02/18/25 06:55*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8		mg/Kg		02/17/25 11:59	02/18/25 07:51	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		02/17/25 11:59	02/18/25 07:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*02/17/25 11:59*	*02/18/25 07:51*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/17/25 09:09	02/17/25 17:30	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH25-14 2'

Date Collected: 02/11/25 12:10
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-17

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		02/14/25 14:56	02/18/25 07:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*35 - 166*	*02/14/25 14:56*	*02/18/25 07:17*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		02/14/25 14:56	02/18/25 07:17	1
Ethylbenzene	ND		0.048		mg/Kg		02/14/25 14:56	02/18/25 07:17	1
Toluene	ND		0.048		mg/Kg		02/14/25 14:56	02/18/25 07:17	1
Xylenes, Total	ND		0.096		mg/Kg		02/14/25 14:56	02/18/25 07:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*48 - 145*	*02/14/25 14:56*	*02/18/25 07:17*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7		mg/Kg		02/17/25 11:59	02/18/25 08:14	1
Motor Oil Range Organics [C28-C40]	ND		49		mg/Kg		02/17/25 11:59	02/18/25 08:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*93*		*62 - 134*	*02/17/25 11:59*	*02/18/25 08:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/17/25 09:09	02/17/25 17:43	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH25-14 4'

Date Collected: 02/11/25 12:20
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-18

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		02/14/25 14:56	02/18/25 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*35 - 166*	*02/14/25 14:56*	*02/18/25 07:39*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		02/14/25 14:56	02/18/25 07:39	1
Ethylbenzene	ND		0.047		mg/Kg		02/14/25 14:56	02/18/25 07:39	1
Toluene	ND		0.047		mg/Kg		02/14/25 14:56	02/18/25 07:39	1
Xylenes, Total	ND		0.094		mg/Kg		02/14/25 14:56	02/18/25 07:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*	*02/14/25 14:56*	*02/18/25 07:39*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6		mg/Kg		02/17/25 11:59	02/18/25 08:38	1
Motor Oil Range Organics [C28-C40]	ND		48		mg/Kg		02/17/25 11:59	02/18/25 08:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*98*		*62 - 134*	*02/17/25 11:59*	*02/18/25 08:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60		mg/Kg		02/17/25 09:09	02/17/25 17:57	20

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH24-02 5'

Date Collected: 02/11/25 12:30
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-19

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7		mg/Kg		02/14/25 14:56	02/18/25 08:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*35 - 166*	*02/14/25 14:56*	*02/18/25 08:01*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023		mg/Kg		02/14/25 14:56	02/18/25 08:01	1
Ethylbenzene	ND		0.047		mg/Kg		02/14/25 14:56	02/18/25 08:01	1
Toluene	ND		0.047		mg/Kg		02/14/25 14:56	02/18/25 08:01	1
Xylenes, Total	ND		0.093		mg/Kg		02/14/25 14:56	02/18/25 08:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*	*02/14/25 14:56*	*02/18/25 08:01*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5		mg/Kg		02/17/25 11:59	02/18/25 09:01	1
Motor Oil Range Organics [C28-C40]	ND		47		mg/Kg		02/17/25 11:59	02/18/25 09:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*94*		*62 - 134*	*02/17/25 11:59*	*02/18/25 09:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2700**		150		mg/Kg		02/17/25 09:09	02/19/25 16:15	50

Client Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Client Sample ID: BH24-03 5'

Date Collected: 02/11/25 12:40
Date Received: 02/14/25 07:42

Lab Sample ID: 885-19961-20

Matrix: Solid

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8		mg/Kg		02/14/25 14:56	02/18/25 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*35 - 166*	*02/14/25 14:56*	*02/18/25 08:23*	*1*

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

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024		mg/Kg		02/14/25 14:56	02/18/25 08:23	1
Ethylbenzene	ND		0.048		mg/Kg		02/14/25 14:56	02/18/25 08:23	1
Toluene	ND		0.048		mg/Kg		02/14/25 14:56	02/18/25 08:23	1
Xylenes, Total	ND		0.096		mg/Kg		02/14/25 14:56	02/18/25 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*	*02/14/25 14:56*	*02/18/25 08:23*	*1*

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3		mg/Kg		02/17/25 11:59	02/18/25 09:25	1
Motor Oil Range Organics [C28-C40]	ND		46		mg/Kg		02/17/25 11:59	02/18/25 09:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*101*		*62 - 134*	*02/17/25 11:59*	*02/18/25 09:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**980**		60		mg/Kg		02/17/25 09:09	02/17/25 18:24	20

QC Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-20871/1-A
Matrix: Solid
Analysis Batch: 21003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20871

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0		mg/Kg		02/14/25 14:56	02/17/25 23:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*35 - 166*	*02/14/25 14:56*	*02/17/25 23:17*	*1*

Lab Sample ID: LCS 885-20871/2-A
Matrix: Solid
Analysis Batch: 21003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20871

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			25.0	23.4		mg/Kg		93	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*198*		*35 - 166*

Lab Sample ID: 885-19961-1 MS
Matrix: Solid
Analysis Batch: 21003

Client Sample ID: BH25-09 0'
Prep Type: Total/NA
Prep Batch: 20871

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	20.7		mg/Kg		83	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*199*		*35 - 166*

Lab Sample ID: 885-19961-1 MSD
Matrix: Solid
Analysis Batch: 21003

Client Sample ID: BH25-09 0'
Prep Type: Total/NA
Prep Batch: 20871

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		24.8	21.3		mg/Kg		86	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*194*		*35 - 166*

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-20871/1-A
Matrix: Solid
Analysis Batch: 21002

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20871

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025		mg/Kg		02/14/25 14:56	02/17/25 23:17	1
Ethylbenzene	ND		0.050		mg/Kg		02/14/25 14:56	02/17/25 23:17	1
Toluene	ND		0.050		mg/Kg		02/14/25 14:56	02/17/25 23:17	1

QC Sample Results

Client: Vertex

Job ID: 885-19961-1

Project/Site: White Dove 17 CTB 3

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

Lab Sample ID: MB 885-20871/1-A
Matrix: Solid
Analysis Batch: 21002

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20871

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10		mg/Kg		02/14/25 14:56	02/17/25 23:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*	*02/14/25 14:56*	*02/17/25 23:17*	*1*

Lab Sample ID: LCS 885-20871/3-A
Matrix: Solid
Analysis Batch: 21002

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20871

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			1.00	0.990		mg/Kg		99	70 - 130		
Ethylbenzene			1.00	0.970		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene			2.00	1.92		mg/Kg		96	70 - 130		
o-Xylene			1.00	0.956		mg/Kg		96	70 - 130		
Toluene			1.00	0.967		mg/Kg		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*48 - 145*

Lab Sample ID: 885-19961-2 MS
Matrix: Solid
Analysis Batch: 21002

Client Sample ID: BH25-09 2'
Prep Type: Total/NA
Prep Batch: 20871

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	ND		0.995	0.958		mg/Kg		96	70 - 130		
Ethylbenzene	ND		0.995	0.951		mg/Kg		96	70 - 130		
m-Xylene & p-Xylene	ND		1.99	1.93		mg/Kg		97	70 - 130		
o-Xylene	ND		0.995	0.942		mg/Kg		95	70 - 130		
Toluene	ND		0.995	0.956		mg/Kg		96	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*48 - 145*

Lab Sample ID: 885-19961-2 MSD
Matrix: Solid
Analysis Batch: 21002

Client Sample ID: BH25-09 2'
Prep Type: Total/NA
Prep Batch: 20871

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.990	0.946		mg/Kg		96	70 - 130	1	20
Ethylbenzene	ND		0.990	0.952		mg/Kg		96	70 - 130	0	20
m-Xylene & p-Xylene	ND		1.98	1.86		mg/Kg		94	70 - 130	4	20
o-Xylene	ND		0.990	0.911		mg/Kg		92	70 - 130	3	20
Toluene	ND		0.990	0.945		mg/Kg		95	70 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*90*		*48 - 145*

QC Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-20932/1-A
Matrix: Solid
Analysis Batch: 20908

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20932

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10		mg/Kg		02/17/25 11:59	02/18/25 00:50	1
Motor Oil Range Organics [C28-C40]	ND		50		mg/Kg		02/17/25 11:59	02/18/25 00:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Di-n-octyl phthalate (Surr)	*84*		*62 - 134*	*02/17/25 11:59*	*02/18/25 00:50*	*1*

Lab Sample ID: LCS 885-20932/2-A
Matrix: Solid
Analysis Batch: 20908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20932

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]			50.0	48.3		mg/Kg		97	60 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*72*		*62 - 134*

Lab Sample ID: 885-19961-20 MS
Matrix: Solid
Analysis Batch: 20908

Client Sample ID: BH24-03 5'
Prep Type: Total/NA
Prep Batch: 20932

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics [C10-C28]	ND		48.6	43.7		mg/Kg		90	44 - 136		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*81*		*62 - 134*

Lab Sample ID: 885-19961-20 MSD
Matrix: Solid
Analysis Batch: 20908

Client Sample ID: BH24-03 5'
Prep Type: Total/NA
Prep Batch: 20932

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		49.0	45.8		mg/Kg		94	44 - 136	5	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Di-n-octyl phthalate (Surr)	*79*		*62 - 134*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-20907/1-A
Matrix: Solid
Analysis Batch: 20922

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 20907

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0		mg/Kg		02/17/25 09:09	02/17/25 11:28	1

QC Sample Results

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-20907/2-A
Matrix: Solid
Analysis Batch: 20922

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 20907

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.6		mg/Kg		95	90 - 110

Lab Sample ID: MRL 885-21074/3
Matrix: Solid
Analysis Batch: 21074

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

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.529		mg/L		106	50 - 150

QC Association Summary

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

GC VOA

Prep Batch: 20871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19961-1	BH25-09 0'	Total/NA	Solid	5030C	
885-19961-2	BH25-09 2'	Total/NA	Solid	5030C	
885-19961-3	BH25-09 4'	Total/NA	Solid	5030C	
885-19961-4	BH25-10 0'	Total/NA	Solid	5030C	
885-19961-5	BH25-10 2'	Total/NA	Solid	5030C	
885-19961-6	BH25-10 4'	Total/NA	Solid	5030C	
885-19961-7	BH25-11 0'	Total/NA	Solid	5030C	
885-19961-8	BH25-11 2'	Total/NA	Solid	5030C	
885-19961-9	BH25-11 4'	Total/NA	Solid	5030C	
885-19961-10	BH25-12 0'	Total/NA	Solid	5030C	
885-19961-11	BH25-12 2'	Total/NA	Solid	5030C	
885-19961-12	BH25-12 4'	Total/NA	Solid	5030C	
885-19961-13	BH25-13 0'	Total/NA	Solid	5030C	
885-19961-14	BH25-13 2'	Total/NA	Solid	5030C	
885-19961-15	BH25-13 4'	Total/NA	Solid	5030C	
885-19961-16	BH25-14 0'	Total/NA	Solid	5030C	
885-19961-17	BH25-14 2'	Total/NA	Solid	5030C	
885-19961-18	BH25-14 4'	Total/NA	Solid	5030C	
885-19961-19	BH24-02 5'	Total/NA	Solid	5030C	
885-19961-20	BH24-03 5'	Total/NA	Solid	5030C	
MB 885-20871/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-20871/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-20871/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-19961-1 MS	BH25-09 0'	Total/NA	Solid	5030C	
885-19961-1 MSD	BH25-09 0'	Total/NA	Solid	5030C	
885-19961-2 MS	BH25-09 2'	Total/NA	Solid	5030C	
885-19961-2 MSD	BH25-09 2'	Total/NA	Solid	5030C	

Analysis Batch: 21002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19961-1	BH25-09 0'	Total/NA	Solid	8021B	20871
885-19961-2	BH25-09 2'	Total/NA	Solid	8021B	20871
885-19961-3	BH25-09 4'	Total/NA	Solid	8021B	20871
885-19961-4	BH25-10 0'	Total/NA	Solid	8021B	20871
885-19961-5	BH25-10 2'	Total/NA	Solid	8021B	20871
885-19961-6	BH25-10 4'	Total/NA	Solid	8021B	20871
885-19961-7	BH25-11 0'	Total/NA	Solid	8021B	20871
885-19961-8	BH25-11 2'	Total/NA	Solid	8021B	20871
885-19961-9	BH25-11 4'	Total/NA	Solid	8021B	20871
885-19961-10	BH25-12 0'	Total/NA	Solid	8021B	20871
885-19961-11	BH25-12 2'	Total/NA	Solid	8021B	20871
885-19961-12	BH25-12 4'	Total/NA	Solid	8021B	20871
885-19961-13	BH25-13 0'	Total/NA	Solid	8021B	20871
885-19961-14	BH25-13 2'	Total/NA	Solid	8021B	20871
885-19961-15	BH25-13 4'	Total/NA	Solid	8021B	20871
885-19961-16	BH25-14 0'	Total/NA	Solid	8021B	20871
885-19961-17	BH25-14 2'	Total/NA	Solid	8021B	20871
885-19961-18	BH25-14 4'	Total/NA	Solid	8021B	20871
885-19961-19	BH24-02 5'	Total/NA	Solid	8021B	20871
885-19961-20	BH24-03 5'	Total/NA	Solid	8021B	20871
MB 885-20871/1-A	Method Blank	Total/NA	Solid	8021B	20871

QC Association Summary

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

GC VOA (Continued)

Analysis Batch: 21002 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-20871/3-A	Lab Control Sample	Total/NA	Solid	8021B	20871
885-19961-2 MS	BH25-09 2'	Total/NA	Solid	8021B	20871
885-19961-2 MSD	BH25-09 2'	Total/NA	Solid	8021B	20871

Analysis Batch: 21003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19961-1	BH25-09 0'	Total/NA	Solid	8015M/D	20871
885-19961-2	BH25-09 2'	Total/NA	Solid	8015M/D	20871
885-19961-3	BH25-09 4'	Total/NA	Solid	8015M/D	20871
885-19961-4	BH25-10 0'	Total/NA	Solid	8015M/D	20871
885-19961-5	BH25-10 2'	Total/NA	Solid	8015M/D	20871
885-19961-6	BH25-10 4'	Total/NA	Solid	8015M/D	20871
885-19961-7	BH25-11 0'	Total/NA	Solid	8015M/D	20871
885-19961-8	BH25-11 2'	Total/NA	Solid	8015M/D	20871
885-19961-9	BH25-11 4'	Total/NA	Solid	8015M/D	20871
885-19961-10	BH25-12 0'	Total/NA	Solid	8015M/D	20871
885-19961-11	BH25-12 2'	Total/NA	Solid	8015M/D	20871
885-19961-12	BH25-12 4'	Total/NA	Solid	8015M/D	20871
885-19961-13	BH25-13 0'	Total/NA	Solid	8015M/D	20871
885-19961-14	BH25-13 2'	Total/NA	Solid	8015M/D	20871
885-19961-15	BH25-13 4'	Total/NA	Solid	8015M/D	20871
885-19961-16	BH25-14 0'	Total/NA	Solid	8015M/D	20871
885-19961-17	BH25-14 2'	Total/NA	Solid	8015M/D	20871
885-19961-18	BH25-14 4'	Total/NA	Solid	8015M/D	20871
885-19961-19	BH24-02 5'	Total/NA	Solid	8015M/D	20871
885-19961-20	BH24-03 5'	Total/NA	Solid	8015M/D	20871
MB 885-20871/1-A	Method Blank	Total/NA	Solid	8015M/D	20871
LCS 885-20871/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	20871
885-19961-1 MS	BH25-09 0'	Total/NA	Solid	8015M/D	20871
885-19961-1 MSD	BH25-09 0'	Total/NA	Solid	8015M/D	20871

GC Semi VOA

Analysis Batch: 20908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19961-1	BH25-09 0'	Total/NA	Solid	8015M/D	20932
885-19961-2	BH25-09 2'	Total/NA	Solid	8015M/D	20932
885-19961-3	BH25-09 4'	Total/NA	Solid	8015M/D	20932
885-19961-4	BH25-10 0'	Total/NA	Solid	8015M/D	20932
885-19961-5	BH25-10 2'	Total/NA	Solid	8015M/D	20932
885-19961-6	BH25-10 4'	Total/NA	Solid	8015M/D	20932
885-19961-7	BH25-11 0'	Total/NA	Solid	8015M/D	20932
885-19961-8	BH25-11 2'	Total/NA	Solid	8015M/D	20932
885-19961-9	BH25-11 4'	Total/NA	Solid	8015M/D	20932
885-19961-10	BH25-12 0'	Total/NA	Solid	8015M/D	20932
885-19961-11	BH25-12 2'	Total/NA	Solid	8015M/D	20932
885-19961-12	BH25-12 4'	Total/NA	Solid	8015M/D	20932
885-19961-13	BH25-13 0'	Total/NA	Solid	8015M/D	20932
885-19961-14	BH25-13 2'	Total/NA	Solid	8015M/D	20932
885-19961-15	BH25-13 4'	Total/NA	Solid	8015M/D	20932
885-19961-16	BH25-14 0'	Total/NA	Solid	8015M/D	20932

QC Association Summary

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

GC Semi VOA (Continued)

Analysis Batch: 20908 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19961-17	BH25-14 2'	Total/NA	Solid	8015M/D	20932
885-19961-18	BH25-14 4'	Total/NA	Solid	8015M/D	20932
885-19961-19	BH24-02 5'	Total/NA	Solid	8015M/D	20932
885-19961-20	BH24-03 5'	Total/NA	Solid	8015M/D	20932
MB 885-20932/1-A	Method Blank	Total/NA	Solid	8015M/D	20932
LCS 885-20932/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	20932
885-19961-20 MS	BH24-03 5'	Total/NA	Solid	8015M/D	20932
885-19961-20 MSD	BH24-03 5'	Total/NA	Solid	8015M/D	20932

Prep Batch: 20932

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19961-1	BH25-09 0'	Total/NA	Solid	SHAKE	
885-19961-2	BH25-09 2'	Total/NA	Solid	SHAKE	
885-19961-3	BH25-09 4'	Total/NA	Solid	SHAKE	
885-19961-4	BH25-10 0'	Total/NA	Solid	SHAKE	
885-19961-5	BH25-10 2'	Total/NA	Solid	SHAKE	
885-19961-6	BH25-10 4'	Total/NA	Solid	SHAKE	
885-19961-7	BH25-11 0'	Total/NA	Solid	SHAKE	
885-19961-8	BH25-11 2'	Total/NA	Solid	SHAKE	
885-19961-9	BH25-11 4'	Total/NA	Solid	SHAKE	
885-19961-10	BH25-12 0'	Total/NA	Solid	SHAKE	
885-19961-11	BH25-12 2'	Total/NA	Solid	SHAKE	
885-19961-12	BH25-12 4'	Total/NA	Solid	SHAKE	
885-19961-13	BH25-13 0'	Total/NA	Solid	SHAKE	
885-19961-14	BH25-13 2'	Total/NA	Solid	SHAKE	
885-19961-15	BH25-13 4'	Total/NA	Solid	SHAKE	
885-19961-16	BH25-14 0'	Total/NA	Solid	SHAKE	
885-19961-17	BH25-14 2'	Total/NA	Solid	SHAKE	
885-19961-18	BH25-14 4'	Total/NA	Solid	SHAKE	
885-19961-19	BH24-02 5'	Total/NA	Solid	SHAKE	
885-19961-20	BH24-03 5'	Total/NA	Solid	SHAKE	
MB 885-20932/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-20932/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-19961-20 MS	BH24-03 5'	Total/NA	Solid	SHAKE	
885-19961-20 MSD	BH24-03 5'	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 20907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19961-1	BH25-09 0'	Total/NA	Solid	300_Prep	
885-19961-2	BH25-09 2'	Total/NA	Solid	300_Prep	
885-19961-3	BH25-09 4'	Total/NA	Solid	300_Prep	
885-19961-4	BH25-10 0'	Total/NA	Solid	300_Prep	
885-19961-5	BH25-10 2'	Total/NA	Solid	300_Prep	
885-19961-6	BH25-10 4'	Total/NA	Solid	300_Prep	
885-19961-7	BH25-11 0'	Total/NA	Solid	300_Prep	
885-19961-8	BH25-11 2'	Total/NA	Solid	300_Prep	
885-19961-9	BH25-11 4'	Total/NA	Solid	300_Prep	
885-19961-10	BH25-12 0'	Total/NA	Solid	300_Prep	
885-19961-11	BH25-12 2'	Total/NA	Solid	300_Prep	

QC Association Summary

Client: Vertex
Project/Site: White Dove 17 CTB 3

Job ID: 885-19961-1

HPLC/IC (Continued)

Prep Batch: 20907 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19961-12	BH25-12 4'	Total/NA	Solid	300_Prep	
885-19961-13	BH25-13 0'	Total/NA	Solid	300_Prep	
885-19961-14	BH25-13 2'	Total/NA	Solid	300_Prep	
885-19961-15	BH25-13 4'	Total/NA	Solid	300_Prep	
885-19961-16	BH25-14 0'	Total/NA	Solid	300_Prep	
885-19961-17	BH25-14 2'	Total/NA	Solid	300_Prep	
885-19961-18	BH25-14 4'	Total/NA	Solid	300_Prep	
885-19961-19	BH24-02 5'	Total/NA	Solid	300_Prep	
885-19961-20	BH24-03 5'	Total/NA	Solid	300_Prep	
MB 885-20907/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-20907/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 20922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19961-1	BH25-09 0'	Total/NA	Solid	300.0	20907
885-19961-2	BH25-09 2'	Total/NA	Solid	300.0	20907
885-19961-3	BH25-09 4'	Total/NA	Solid	300.0	20907
885-19961-4	BH25-10 0'	Total/NA	Solid	300.0	20907
885-19961-5	BH25-10 2'	Total/NA	Solid	300.0	20907
885-19961-6	BH25-10 4'	Total/NA	Solid	300.0	20907
885-19961-7	BH25-11 0'	Total/NA	Solid	300.0	20907
885-19961-8	BH25-11 2'	Total/NA	Solid	300.0	20907
885-19961-9	BH25-11 4'	Total/NA	Solid	300.0	20907
885-19961-10	BH25-12 0'	Total/NA	Solid	300.0	20907
885-19961-11	BH25-12 2'	Total/NA	Solid	300.0	20907
885-19961-12	BH25-12 4'	Total/NA	Solid	300.0	20907
885-19961-13	BH25-13 0'	Total/NA	Solid	300.0	20907
885-19961-14	BH25-13 2'	Total/NA	Solid	300.0	20907
885-19961-15	BH25-13 4'	Total/NA	Solid	300.0	20907
885-19961-16	BH25-14 0'	Total/NA	Solid	300.0	20907
885-19961-17	BH25-14 2'	Total/NA	Solid	300.0	20907
885-19961-18	BH25-14 4'	Total/NA	Solid	300.0	20907
885-19961-20	BH24-03 5'	Total/NA	Solid	300.0	20907
MB 885-20907/1-A	Method Blank	Total/NA	Solid	300.0	20907
LCS 885-20907/2-A	Lab Control Sample	Total/NA	Solid	300.0	20907

Analysis Batch: 21074

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-19961-19	BH24-02 5'	Total/NA	Solid	300.0	20907
MRL 885-21074/3	Lab Control Sample	Total/NA	Solid	300.0	

Lab Chronicle

Client: Vertex
Job ID: 885-19961-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH25-09 0'
Lab Sample ID: 885-19961-1
Date Collected: 02/11/25 09:30
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/17/25 23:39
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/17/25 23:39
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 01:37
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 12:10

Client Sample ID: BH25-09 2'
Lab Sample ID: 885-19961-2
Date Collected: 02/11/25 09:40
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 00:45
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 00:45
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 02:00
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 12:51

Client Sample ID: BH25-09 4'
Lab Sample ID: 885-19961-3
Date Collected: 02/11/25 09:50
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 01:50
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 01:50
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 02:24
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 13:32

Client Sample ID: BH25-10 0'
Lab Sample ID: 885-19961-4
Date Collected: 02/11/25 10:00
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 02:12

Lab Chronicle

Client: Vertex
Job ID: 885-19961-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH25-10 0'
Lab Sample ID: 885-19961-4
Date Collected: 02/11/25 10:00
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 02:12
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 02:47
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 13:46

Client Sample ID: BH25-10 2'
Lab Sample ID: 885-19961-5
Date Collected: 02/11/25 10:10
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 02:34
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 02:34
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 03:11
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 14:33

Client Sample ID: BH25-10 4'
Lab Sample ID: 885-19961-6
Date Collected: 02/11/25 10:20
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 02:55
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 02:55
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 03:34
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 14:46

Client Sample ID: BH25-11 0'
Lab Sample ID: 885-19961-7
Date Collected: 02/11/25 10:30
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 03:17
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 03:17

Lab Chronicle

Client: Vertex
Job ID: 885-19961-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH25-11 0'
Lab Sample ID: 885-19961-7
Date Collected: 02/11/25 10:30
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 03:57
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 15:00

Client Sample ID: BH25-11 2'
Lab Sample ID: 885-19961-8
Date Collected: 02/11/25 10:40
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 03:39
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 03:39
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 04:21
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 15:13

Client Sample ID: BH25-11 4'
Lab Sample ID: 885-19961-9
Date Collected: 02/11/25 10:50
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 04:01
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 04:01
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 04:44
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 15:27

Client Sample ID: BH25-12 0'
Lab Sample ID: 885-19961-10
Date Collected: 02/11/25 11:00
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 04:23
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 04:23
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 05:08

Lab Chronicle

Client: Vertex
Job ID: 885-19961-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH25-12 0'
Lab Sample ID: 885-19961-10
Date Collected: 02/11/25 11:00
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 15:41

Client Sample ID: BH25-12 2'
Lab Sample ID: 885-19961-11
Date Collected: 02/11/25 11:10
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 05:06
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 05:06
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 05:54
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 15:54

Client Sample ID: BH25-12 4'
Lab Sample ID: 885-19961-12
Date Collected: 02/11/25 11:20
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 05:28
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 05:28
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 06:18
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 16:08

Client Sample ID: BH25-13 0'
Lab Sample ID: 885-19961-13
Date Collected: 02/11/25 11:30
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 05:50
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 05:50
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 06:41
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 16:22

Lab Chronicle

Client: Vertex
Job ID: 885-19961-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH25-13 2'
Lab Sample ID: 885-19961-14
Date Collected: 02/11/25 11:40
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 06:12
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 06:12
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 07:04
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 16:35

Client Sample ID: BH25-13 4'
Lab Sample ID: 885-19961-15
Date Collected: 02/11/25 11:50
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 06:34
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 06:34
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 07:28
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 17:16

Client Sample ID: BH25-14 0'
Lab Sample ID: 885-19961-16
Date Collected: 02/11/25 12:00
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 06:55
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 06:55
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 07:51
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 17:30

Client Sample ID: BH25-14 2'
Lab Sample ID: 885-19961-17
Date Collected: 02/11/25 12:10
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 07:17

Lab Chronicle

Client: Vertex
Job ID: 885-19961-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH25-14 2'
Lab Sample ID: 885-19961-17
Date Collected: 02/11/25 12:10
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 07:17
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 08:14
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 17:43

Client Sample ID: BH25-14 4'
Lab Sample ID: 885-19961-18
Date Collected: 02/11/25 12:20
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 07:39
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 07:39
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 08:38
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 17:57

Client Sample ID: BH24-02 5'
Lab Sample ID: 885-19961-19
Date Collected: 02/11/25 12:30
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 08:01
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 08:01
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 09:01
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		50	21074	ES	EET ALB	02/19/25 16:15

Client Sample ID: BH24-03 5'
Lab Sample ID: 885-19961-20
Date Collected: 02/11/25 12:40
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8015M/D		1	21003	AT	EET ALB	02/18/25 08:23
Total/NA	Prep	5030C			20871	AT	EET ALB	02/14/25 14:56
Total/NA	Analysis	8021B		1	21002	AT	EET ALB	02/18/25 08:23

Lab Chronicle

Client: Vertex
Job ID: 885-19961-1
Project/Site: White Dove 17 CTB 3

Client Sample ID: BH24-03 5'
Lab Sample ID: 885-19961-20
Date Collected: 02/11/25 12:40
Matrix: Solid
Date Received: 02/14/25 07:42

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			20932	EM	EET ALB	02/17/25 11:59
Total/NA	Analysis	8015M/D		1	20908	MI	EET ALB	02/18/25 09:25
Total/NA	Prep	300_Prep			20907	DL	EET ALB	02/17/25 09:09
Total/NA	Analysis	300.0		20	20922	ES	EET ALB	02/17/25 18:24

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Vertex Job ID: 885-19961-1
Project/Site: White Dove 17 CTB 3

Laboratory: Eurofins Albuquerque

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

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

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
300.0	300_Prep	Solid	Chloride
8015M/D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015M/D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015M/D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total

Oregon	NELAP	NM100001	02-25-25

Chain-of-Custody Record

Client: **Vertex (bill to Devon)**

Mailing Address: 3101 Boyd Dr
Carlsbad, NM 88220

Phone: 575-725-5001

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 5 Days

Project Name:
White Dove 17 CTB 3

Project #:
24E-03262

Project Manager:
Sally Carttar

scarttar@vertexresource.com

Sampler: J. Rewis

On Ice: ☑ Yes ☐ No

# of Coolers: 1 4 of

Cooler Temp(including CF): 3.5-0.1=3.4

HALL ENVIRONMENTAL ANALYSIS LABORAT

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

885-19961 COC

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)
2.11.25	9:30	Soil	BH25-09 0'	4oz jar	ICE	-1	x	x					x			
2.11.25	9:40	Soil	BH25-09 2'	4oz jar	ICE	-2	x	x					x			
2.11.25	9:50	Soil	BH25-09 4'	4oz jar	ICE	-3	x	x					x			
2.11.25	10:00	Soil	BH25-10 0'	4oz jar	ICE	-4	x	x					x			
2.11.25	10:10	Soil	BH25-10 2'	4oz jar	ICE	-5	x	x					x			
2.11.25	10:20	Soil	BH25-10 4'	4oz jar	ICE	-6	x	x					x			
2.11.25	10:30	Soil	BH25-11 0'	4oz jar	ICE	-7	x	x					x			
2.11.25	10:40	Soil	BH25-11 2'	4oz jar	ICE	-8	x	x					x			
2.11.25	10:50	Soil	BH25-11 4'	4oz jar	ICE	-9	x	x					x			
2.11.25	11:00	Soil	BH25-12 0'	4oz jar	ICE	-10	x	x					x			
2.11.25	11:10	Soil	BH25-12 2'	4oz jar	ICE	-11	x	x					x			
2.11.25	11:20	Soil	BH25-12 4'	4oz jar	ICE	-12	x	x					x			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
2.13.25	1205				2/13/25	1205
2/13/25	1910			courier	2/14/25	7:42

Remarks: ATTN: Jim Raley
Direct Bill to Devon Enevry Production Company
Work Order# 213637778
CC.Scarttar@vertexresource.com for Final Report.
Jrewis@vertex resource.com

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.

Chain-of-Custody Record

Client: **Vertex (bill to Devon)**

Mailing Address 3101 Boyd Dr
Carlsbad, NM 88220

Phone : 575-725-5001

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☑ Rush 5 Day

Project Name:
White Dove 17 CTB 3

Project #:
24E-03262

Project Manager:
Sally Carttar
scarttar@vertexresource.com

Sampler: J. Rewis
On Ice: ☑ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 3.5-0.1=3.4 409

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

19961

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)
2.11.25	11:30	Soil	BH25-13 0'	4oz jar	ICE	-13	x	x					x			
2.11.25	11:40	Soil	BH25-13 2'	4oz jar	ICE	-14	x	x					x			
2.11.25	11:50	Soil	BH25-13 4'	4oz jar	ICE	-15	x	x					x			
2.11.25	12:00	Soil	BH25-14 0'	4oz jar	ICE	-16	x	x					x			
2.11.25	12:10	Soil	BH25-14 2'	4oz jar	ICE	-17	x	x					x			
2.11.25	12:20	Soil	BH25-14 4'	4oz jar	ICE	-18	x	x					x			
2.11.25	12:30	Soil	BH24-02 5'	4oz jar	ICE	-19	x	x					x			
2.11.25	12:40	Soil	BH24-03 5'	4oz jar	ICE	-20	x	x					x			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
2.13.25	1205				2/13/25	1205
2/13/25	1900			courier	2/14/25	742

Remarks: ATTN: Jim Raley
Direct Bill to Devon Enevry Production Company
Work Order# 213637778
CC.Scarttar@vertexresource.com for Final Report.
Jrewis@vertex resource.com

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: 885-19961-1

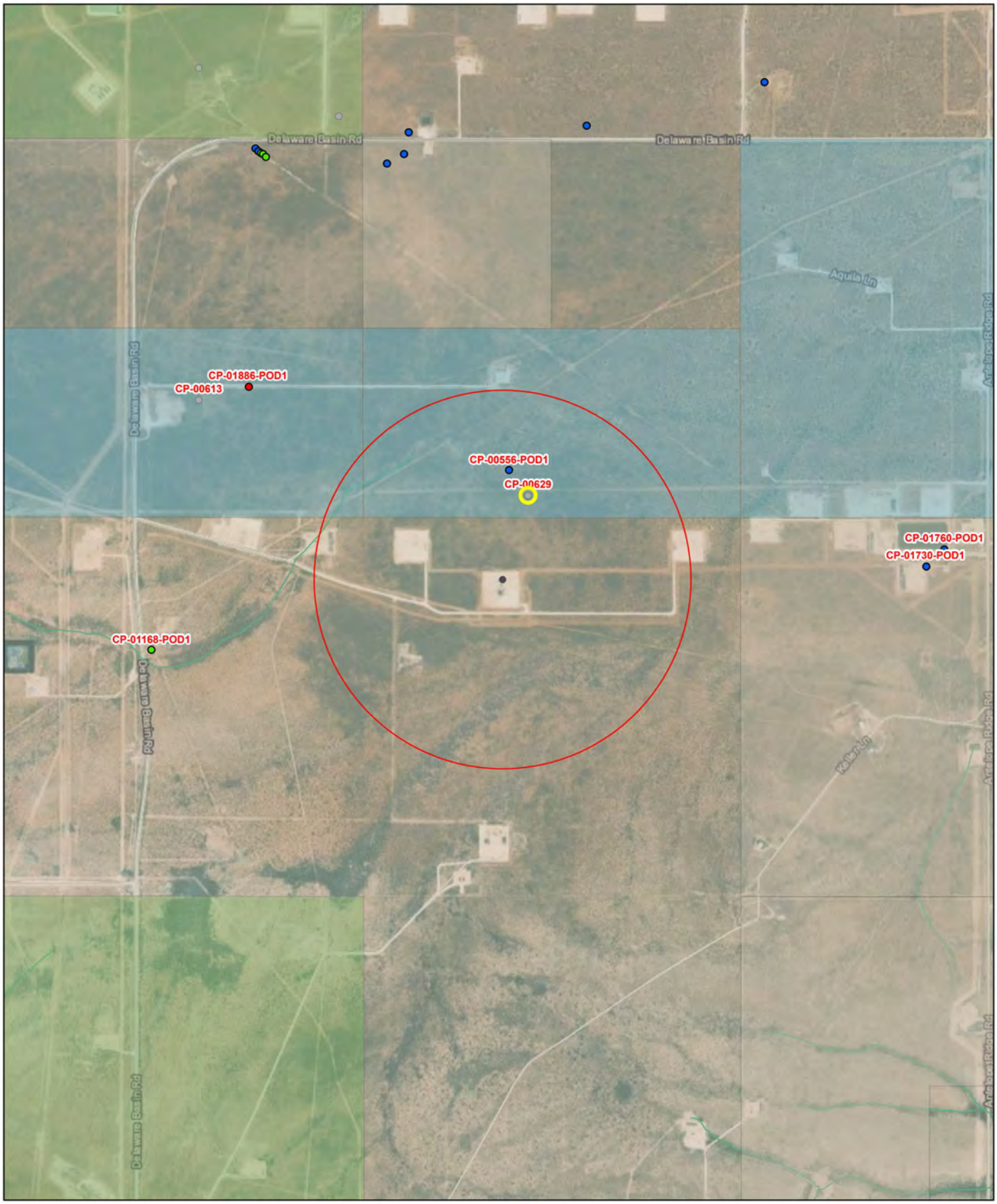
Login Number: 19961 **List Source: Eurofins Albuquerque**
List Number: 1
Creator: Proctor, Nancy

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.	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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ATTACHMENT 5

Closure Criteria Determination			
Site Name: White Dove 17 CTB 3			
Spill Coordinates: 32.309542, -103.494373		**X: 641742**	**Y: 3575742**
Site Specific Conditions		**Value**	**Unit**
1	Depth to Groundwater (nearest reference)	**<50**	feet
	Distance between release and nearest DTGW reference	**1,525**	feet
		0.29	miles
	Date of nearest DTGW reference measurement	**October 17, 1974**	
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	2,918	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	5,955	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	4,545	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**	5,943	feet
	ii) Within 1000 feet of any fresh water well or spring	1,229	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	2,709	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
	Distance between release and nearest registered mine	113,595	feet
9	Within an unstable area (Karst Map)	Low	Critical High Medium Low
	Distance between release and nearest unstable area	78,528	feet
10	Within a 100-year Floodplain	Undetermined	year
	Distance between release and nearest FEMA Zone A (100-year Floodplain)	106,387	feet
11	Soil Type	Loamy fine sand, sandy clay loam	
12	Ecological Classification	Loamy sand	
13	Geology	Eolian and piedmont deposits	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	<50'	<50' 51-100' >100'

OSE POD 0.5 mile



10/2/2024, 3:32:52 PM

GIS WATERS PODs
- Active
- Pending
- Plugged
- OSE District Boundary

Water Right Regulations
- Closure Area
- Artesian Planning Area

New Mexico State Trust Lands
- Subsurface Estate
- Surface Estate
- Both Estates

NHD Flowlines
- Artificial Path
- Stream River

1:18,056

0 0.17 0.35 0.7 mi

0 0.28 0.55 1.1 km

Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar

Online web user

This is an unofficial map from the OSE's online application.

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

(In feet)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
CP 00556 POD1		CP	LE	SE	SE	SW	08	23S	34E	641762.5	3576206.3		464	497	255	242
CP 01886 POD1		CP	LE	SE	NW	SE	07	23S	34E	640645.6	3576545.2		1359			
CP 01730 POD1		CP	LE	NE	NE	NW	16	23S	34E	643549.2	3575824.7		1809	594	200	394
CP 00872 POD1		CP	LE	NW	NW	NW	08	23S	34E	641225.0	3577504.0 *		1836	494	305	189
CP 01075 POD1		CP	LE	NW	NW	NW	08	23S	34E	641295.1	3577544.6		1857	430	20	410
CP 01760 POD1		CP	LE	SW	NW	NE	16	23S	34E	643627.4	3575897.6		1891	767	290	477
CP 01502 POD1		CP	LE	SE	SW	SW	05	23S	34E	641316.1	3577635.4		1940	648	200	448
CP 01502 POD2		CP	LE	SE	SW	SW	05	23S	34E	642073.9	3577676.9		1963	680	300	380

Average Depth to Water: **224 feet**

Minimum Depth: **20 feet**

Maximum Depth: **305 feet**

Record Count: 8

UTM Filters (in meters):
Easting: 641742
Northing: 3575742
Radius: 002000

*** UTM location was derived from PLSS - see Help**

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	Tws	Rng	X	Y	Map
	CP 00556 POD1	SE	SE	SW	08	23S	34E	641762.5	3576206.3	

* UTM location was derived from PLSS - see Help

Driller License:	46	**Driller Company:**	ABBOTT BROTHERS COMPANY		
Driller Name:	ABBOTT, MURRELL				
Drill Start Date:	1974-09-27	**Drill Finish Date:**	1974-10-17	**Plug Date:**	
Log File Date:	1974-10-25	**PCW Rcv Date:**		**Source:**	Shallow
Pump Type:		**Pipe Discharge Size:**		**Estimated Yield:**	28
Casing Size:	7.00	**Depth Well:**	497	**Depth Water:**	255

Water Bearing Stratifications:

Top	Bottom	Description
255	497	Other/Unknown

Casing Perforations:

Top	Bottom
397	497

Meter Information

Meter Number:	8511	**Meter Make:**	MASTER
Meter Serial Number:	162038091	**Meter Multiplier:**	1.0000
Number of Dials:	9	**Meter Type:**	Diversion
Unit of Measure:	Gallons	**Reading Frequency:**	Quarterly

Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2004-08-20	2004	42932.000	A	jw		0.000	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2004-12-04	2004	52692.000	A	jw		2.995	
2014-06-06	2014	301111.000	A	RPT		0.000	
2014-10-01	2014	42846900.000	A	RPT	Changeout 6-6-14	0.000	
2014-12-31	2014	52078300.000	A	RPT		28.330	
2015-01-01	2015	52078300.000	A	RPT		0.000	
2015-02-01	2015	54551900.000	A	RPT		7.591	
2015-03-27	2015	8539300.000	A	RPT	Changeout 3-27-15	0.000	
2015-03-27	2015	58752900.000	A	RPT		12.892	
2015-04-30	2015	11420700.000	A	RPT		8.843	
2015-05-31	2015	14304800.000	A	RPT		8.851	
2015-07-01	2015	17059300.000	A	RPT		8.453	
2015-08-01	2015	19766900.000	A	RPT		8.309	
2016-01-01	2016	29255500.000	A	RPT		29.119	
2016-02-01	2016	29935100.000	A	RPT		2.086	
2016-03-02	2016	29935100.000	A	RPT		0.000	
2016-04-01	2016	29935100.000	A	RPT		0.000	
2016-05-01	2016	29935100.000	A	RPT		0.000	
2016-06-01	2016	30608200.000	A	RPT		2.066	
2016-07-01	2016	30608200.000	A	RPT		0.000	
2016-08-01	2016	35219100.000	A	RPT		14.150	
2016-09-01	2016	37237600.000	A	RPT		6.195	
2016-10-01	2016	39565700.000	A	RPT		7.145	
2016-11-01	2016	41758893.000	A	RPT		6.731	
2016-12-01	2016	42681000.000	A	RPT		2.830	
2016-12-31	2016	44051528.000	A	RPT		4.206	
2017-01-31	2017	44051556.000	A	RPT		0.000	
2017-02-28	2017	45103057.000	A	RPT		3.227	
2017-03-31	2017	47434243.000	A	RPT		7.154	
2017-04-30	2017	48896700.000	A	RPT		4.488	

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount	Online
2017-05-31	2017	51591700.000	A	RPT		8.271	
2017-06-30	2017	54128300.000	A	RPT		7.785	
2017-07-31	2017	55958997.000	A	RPT		5.618	
2017-08-14	2017	56239094.000	A	RPT		0.860	
2017-08-14	2017	0.000	A	RPT		0.000	
2017-08-21	2017	592800.000	A	RPT		1.819	
2017-09-30	2017	593300.000	A	RPT		0.002	
2017-10-31	2017	2259200.000	A	RPT		5.112	
2017-11-30	2017	3589700.000	A	RPT		4.083	
2017-12-31	2017	5014800.000	A	RPT		4.373	
2018-01-31	2018	6071400.000	A	RPT		3.243	
2018-02-28	2018	6484000.000	A	RPT		1.266	
2018-03-31	2018	8664100.000	A	RPT		6.690	
2018-05-31	2018	12408500.000	A	RPT		11.491	
2018-10-31	2018	21487685.000	A	RPT		27.863	
2018-11-30	2018	21487685.000	A	RPT		0.000	
2019-03-31	2019	21487685.000	A	RPT		0.000	
2019-04-30	2019	21487685.000	A	RPT		0.000	

YTD Meter Amounts:

Year	Amount
2004	2.995
2014	28.330
2015	54.939
2016	74.528
2017	52.792
2018	50.553

Year	Amount
2019	0.000

Water Right Summary

get image list

WR File Number:	CP 00556	**Subbasin:**	CP	**Cross Reference:**
Primary Purpose:	COM COMMERCIAL			
Primary Status:	PMT Permit			
Total Acres:		**Subfile:**		**Header:**
Total Diversion:	0.000	**Cause/Case:**		
Owner:	JIMMY MILLS GST TRUST			
Contact:	STACY MILLS			
Owner:	GREGORY ROCKHOUSE RANCH, INC.			
Contact:	MIKE STAPLETON			

Documents on File

(acre-feet per annum)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion	Consumptive
get images	599987	APPRO	2014-05-27	WDP	WDR	CP 00556 (T)	T	0.000	100.000	100.000
get images	474123	72121	2004-08-27	EXP	EXP	CP 00556	T		3.000	
get images	474122	72121	1997-03-03	EXP	EXP	CP 00556	T		3.000	
get images	474121	72121	1996-06-27	EXP	EXP	CP 00556	T		3.000	
get images	474119	72121	1982-10-05	EXP	EXP	CP 00556	T		3.000	
get images	474118	72121	1982-06-09	EXP	EXP	CP 00556	T		3.000	
get images	474115	72121	1982-03-19	EXP	EXP	CP 00556	T		3.000	
get images	474108	72121	1981-08-13	EXP	EXP	CP 00556	T		3.000	
get images	474106	COWNF	1980-12-09	CHG	PRC	CP 00556	T		0.000	
get images	474103	72121	1976-04-26	PMT	LOG	CP 00556	T		3.000	

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
CP 00556 POD1		Shallow	SE	SE	SW	08	23S	34E	641762.5	3576206.3		

*** UTM location was derived from PLSS - see Help**

Priority Summary

Priority	Status	Acres	Diversion	POD Number	Source
2013-05-20	PMT	0.000	100.000	CP 00556 POD1	Shallow

Place of Use

Q256	Q64	Q16	Q4	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
							0.000	100.000	100.000	COM	2013-05-20	PMT	NO PLACE OF USE GIVEN

Source

Acres	Diversion	CU	Use	Priority	Source	Description
0.000	100.000	100.000	COM	2013-05-20	GW	

474103

Revised June 1972

STATE ENGINEER OFFICE

WELL RECORD

FIELD ENGR. LOG

Bell Lake Unit 4

Section 1. GENERAL INFORMATION

(A) Owner of well Continental Oil Co. Owner's Well No. 15

Street or Post Office Address P.O. Box 460

City and State Hobbs, New Mexico 88240

Well was drilled under Permit No. ~~C-1568~~ CP. 556 and is located in the:

a. ____ ¼ SE ¼ SE ¼ SW ¼ of Section 8 Township 23S Range 34E N.M.P.M.

b. Tract No. ____ of Map No. ____ of the ____

c. Lot No. ____ of Block No. ____ of the ____

Subdivision, recorded in Lea County.

d. X= ____ feet, Y= ____ feet, N.M. Coordinate System ____ Zone in the ____ Grant.

(B) Drilling Contractor Abbott Bros. License No. WD-46

Address P.O. Box 637, Hobbs, New Mexico 88240

Drilling Began 9/27/74 Completed 10/17/74 Type tools Cable Size of hole 11 & 8¼ in.

Elevation of land surface or ____ at well is ____ ft. Total depth of well 497 ft.

Completed well is [X] shallow [ ] artesian. Depth to water upon completion of well 255 ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet From	Depth in Feet To	Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
255	497	242		28

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet Top	Depth in Feet Bottom	Length (feet)	Type of Shoe	Perforations From	Perforations To
9 5/8	33	8	0	244	244	None		
7	22	8	245	497	252	None	397	497

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet From	Depth in Feet To	Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
					Cement at top

Section 5. PLUGGING RECORD

Plugging Contractor ____

Address ____

Plugging Method ____

Date Well Plugged ____

Plugging approved by: ____

State Engineer Representative

No.	Depth in Feet Top	Depth in Feet Bottom	Cubic Feet of Cement
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received 10/25/74

Quad ____ FWL ____ FSL ____

File No. CP-556 Use OWD Location No. 23.34.8.344

Section 6. LOG OF HOLE

Depth in Feet From	Depth in Feet To	Thickness in Feet	Color and Type of Material Encountered
0	30	30	Top soil and red clay
30	70	40	Rock and sandy clay
70	235	165	Red sand
235	255	20	Red bed
255	270	15	Sand rock
270	380	110	Red bed
380	420	40	Red sandy clay
420	450	30	Red clay W/streaks of sand
450	497	47	Red bed

Section 7. REMARKS AND ADDITIONAL INFORMATION

1974 OCT 25 AM 8:34
STATE ENGINEER OFFICE
DISTRICT II
ROSWELL, N. MEX.

The undersigned hereby certifies that, to the best of his knowledge and belief, the foregoing is a true and correct record of the above described hole.

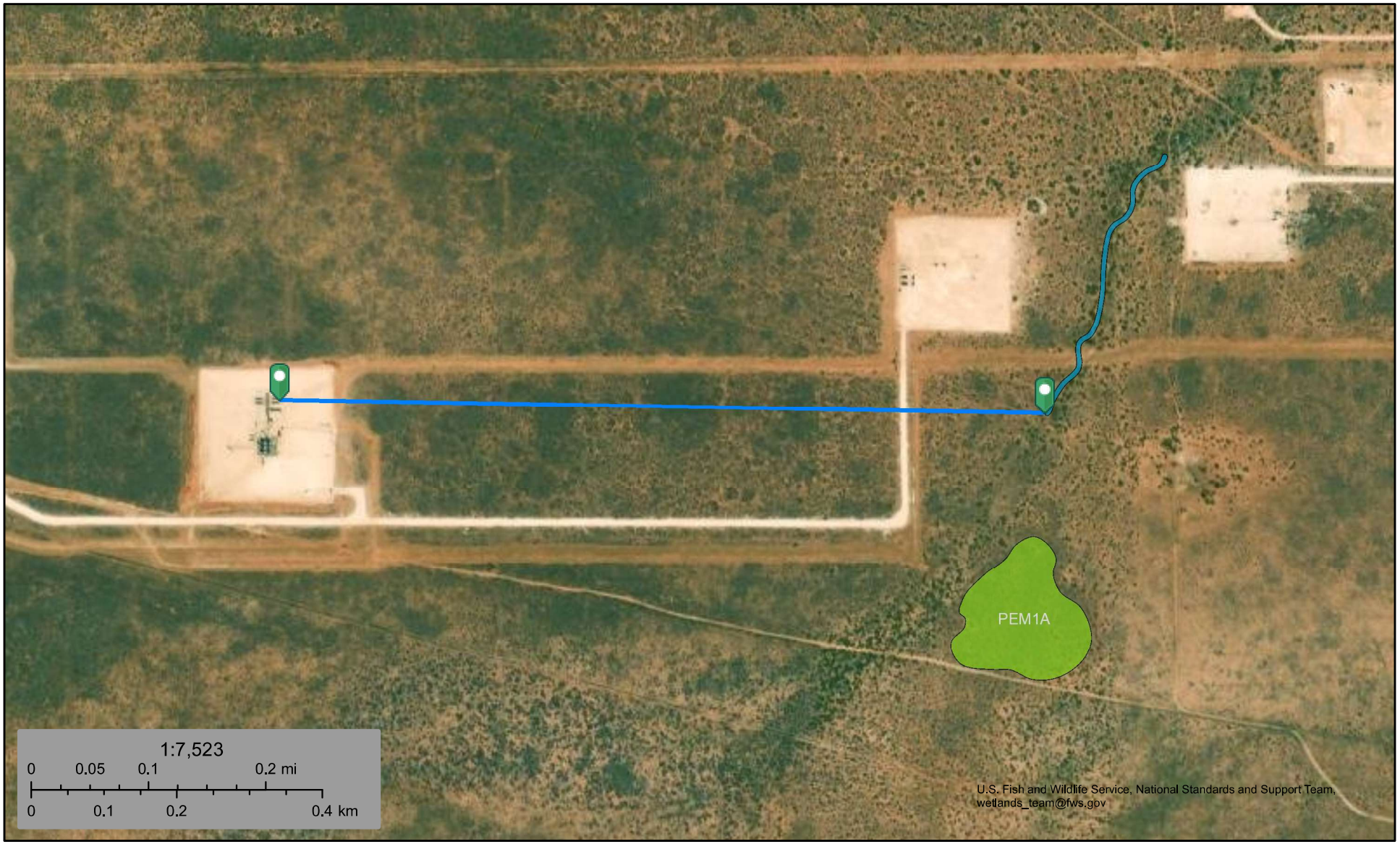
Murrell Abbott
Driller

INSTRUCTIONS: This form should be executed in triplicate, preferably typewritten, and submitted to the appropriate district office of the State Engineer. All sections, except Section 5, shall be answered as completely and accurately as possible when any well is drilled, repaired or deepened. When this form is used as a plugging record, only Section 1(a) and Section 7 need be completed.

U.S. Fish and Wildlife Service

National Wetlands Inventory

Intermittent 2,918 feet



October 2, 2024

Wetlands

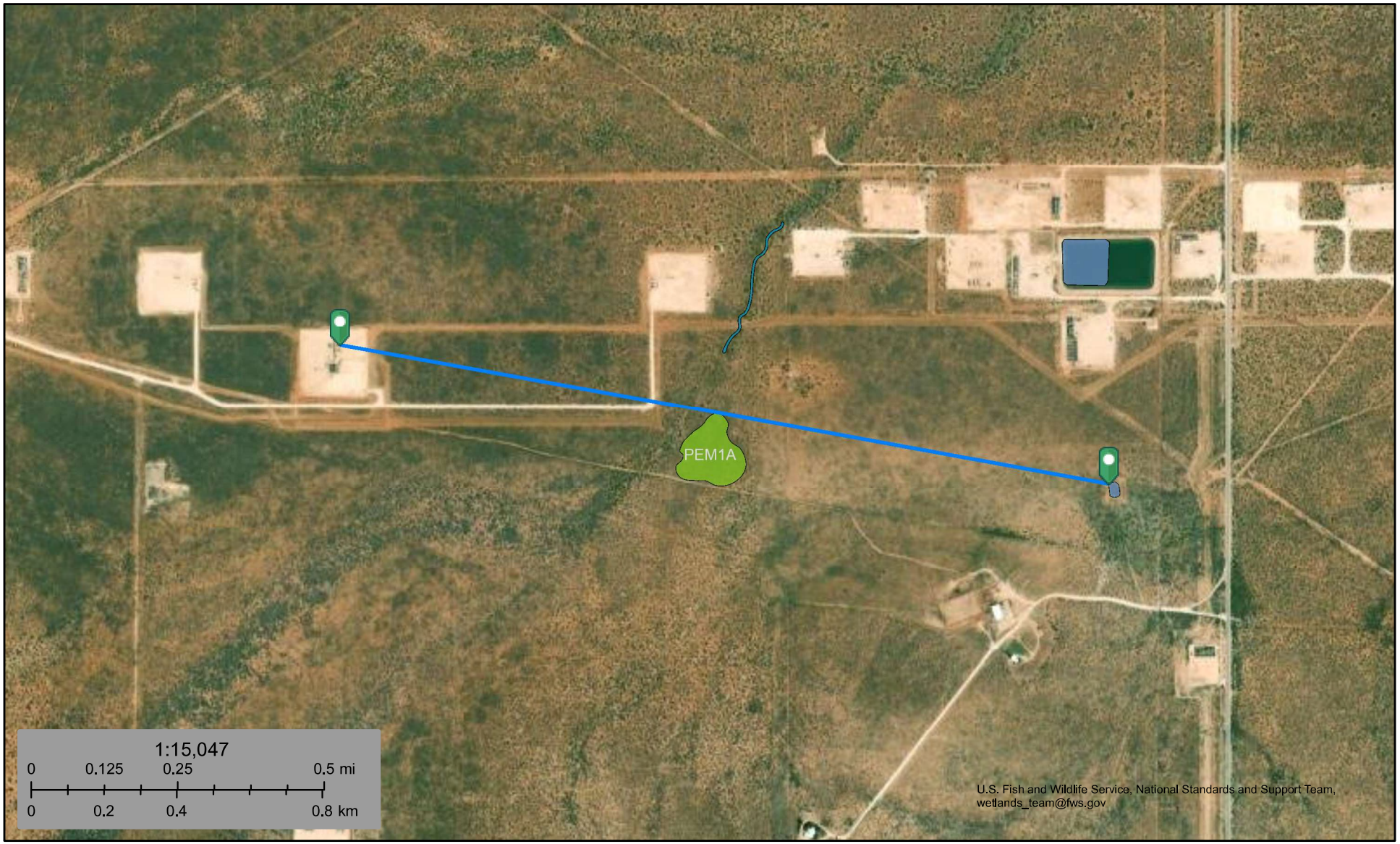
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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

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

U.S. Fish and Wildlife Service
National Wetlands Inventory

Pond 5,955 feet



October 2, 2024

Wetlands

- Estuarine and Marine Deepwater
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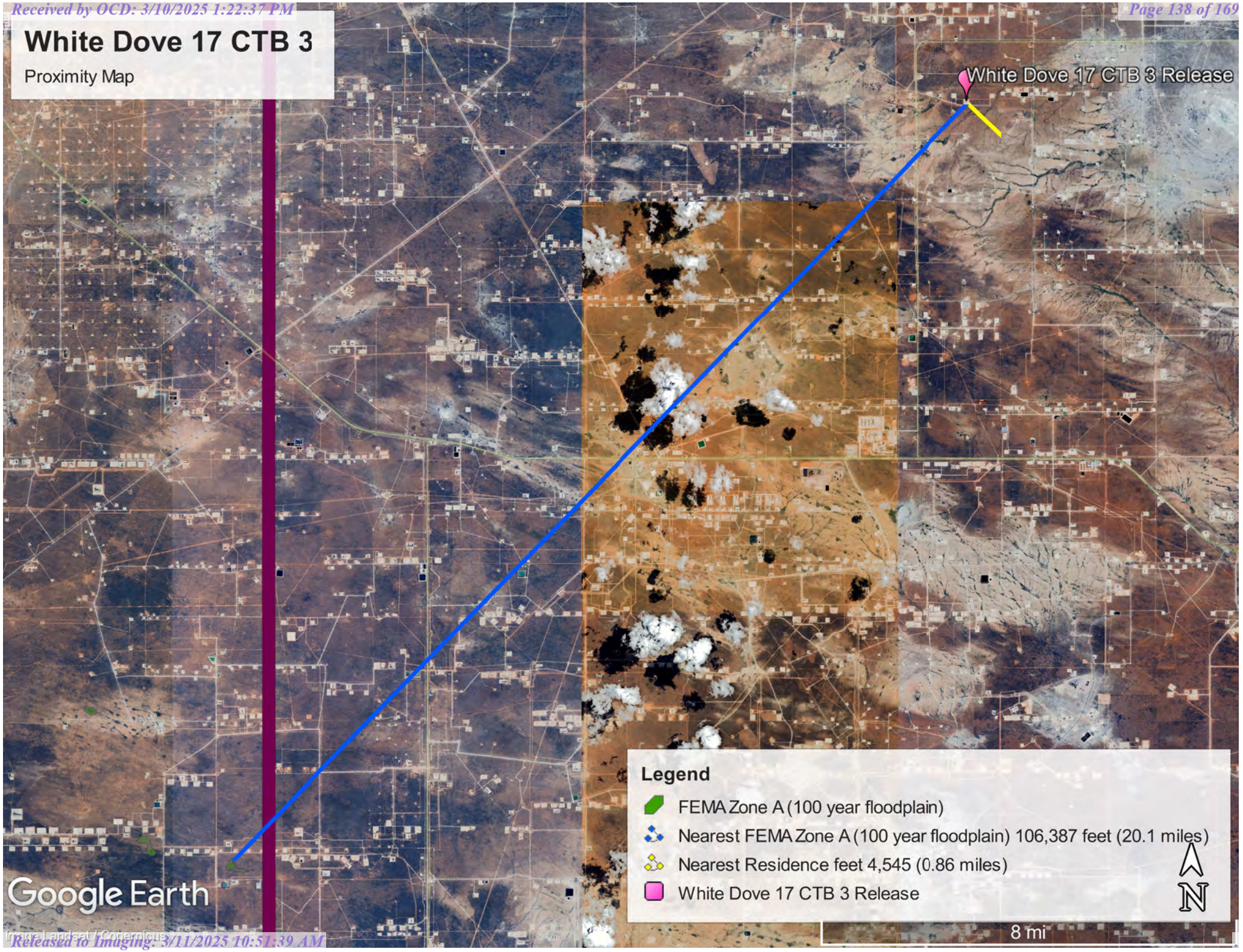
National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

White Dove 17 CTB 3

Proximity Map



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)				(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)			(meters)
WR File Nbr	Sub basin	Use	Diversion	Owner	County	POD Number	Well Tag	Code	Grant	Source	q64	q16	q4	Sec	Tws	Range	X	Y	Map	Distance
CP 00629	CP	PRO	0.000	J.C. MILLS	LE	CP 00629					SE	SE	SW	08	23S	34E	641846.0	3576102.0 *		374.7
CP 00556	CP	COM	0.000	JIMMY MILLS GST TRUST	LE	CP 00556 POD1				Shallow	SE	SE	SW	08	23S	34E	641762.5	3576206.3		464.8
CP 01070	CP	PRO	0.000	TONYA'S PERMIT SERVICE	LE	CP 00556 POD1				Shallow	SE	SE	SW	08	23S	34E	641762.5	3576206.3		464.8
CP 01071	CP	PRO	0.000	TD WATER SERVICES	LE	CP 00556 POD1				Shallow	SE	SE	SW	08	23S	34E	641762.5	3576206.3		464.8
CP 01072	CP	PRO	0.000	GLENN'S WATER WELL SRVC, INC.	LE	CP 00556 POD1				Shallow	SE	SE	SW	08	23S	34E	641762.5	3576206.3		464.8
CP 01179	CP	PRO	0.000	CONCHO OIL & GAS	LE	CP 00556 POD1				Shallow	SE	SE	SW	08	23S	34E	641762.5	3576206.3		464.8
CP 01180	CP	PRO	0.000	CONCHO OIL & GAS	LE	CP 00556 POD1				Shallow	SE	SE	SW	08	23S	34E	641762.5	3576206.3		464.8
CP 01181	CP	PRO	0.000	CONCHO OIL & GAS	LE	CP 00556 POD1				Shallow	SE	SE	SW	08	23S	34E	641762.5	3576206.3		464.8
CP 01886	CP	MON	0.000	KAISER-FRANCIS OIL COMPANY	LE	CP 01886 POD1	NA				SE	NW	SE	07	23S	34E	640645.6	3576545.2		1,359.1
CP 00613	CP	PRO	0.000	J.C. MILLS	LE	CP 00613					SW	NW	SE	07	23S	34E	640433.0	3576489.0 *		1,507.1
CP 01168	CP	EXP	0.000	LIMESTONE LIVESTOCK LLC	LE	CP 01168 POD1					NE	SE	NW	18	23S	34E	640246.6	3575420.9		1,529.5
CP 01730	CP	EXP	0.000	LIMESTONE BASIN PROPERTIES	LE	CP 01730 POD1	NA			Artesian	NE	NE	NW	16	23S	34E	643549.2	3575824.7		1,809.1
CP 00872	CP	EXP	0.000	KELLER RV, LLC.	LE	CP 00872 POD1				Shallow	NW	NW	NW	08	23S	34E	641225.0	3577504.0 *		1,836.3
CP 00876	CP	PLS	50.000	LIMESTONE BASIN PROPERTIES	LE	CP 00872 POD1				Shallow	NW	NW	NW	08	23S	34E	641225.0	3577504.0 *		1,836.3
CP 00878	CP	PRO	0.000	PENWELL ENERGY	LE	CP 00872 POD1				Shallow	NW	NW	NW	08	23S	34E	641225.0	3577504.0 *		1,836.3
CP 01075	CP	COM	80.000	LIMESTONE BASIN PROPERTIES	LE	CP 01075 POD1	NA			Shallow	NW	NW	NW	08	23S	34E	641295.1	3577544.6		1,857.2
CP 01974	CP	DOL	3.000	LIMESTONE LIVESTOCK LLC.	LE	CP 01075 POD1	NA			Shallow	NW	NW	NW	08	23S	34E	641295.1	3577544.6		1,857.2
CP 01760	CP	EXP	0.000	LIMESTONE BASIN PROPERTIES	LE	CP 01760 POD1	NA			Artesian	SW	NW	NE	16	23S	34E	643627.4	3575897.6		1,891.8
CP 01502	CP	COM	250.000	WATER SPUR LLC	LE	CP 01502 POD1	NA			Shallow	SE	SW	SW	05	23S	34E	641316.1	3577635.4		1,940.7
					LE	CP 01502 POD2	NA			Shallow	SE	SW	SW	05	23S	34E	642073.9	3577676.9		1,963.2

Record Count: 20

Filters Applied:

UTM Filters (in meters):
Easting: 641742
Northing: 3575742
Radius: 002000

Sorted By: Distance

*** UTM location was derived from PLSS - see Help**

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	Tws	Rng	X	Y	Map
	CP 00629	SE	SE	SW	08	23S	34E	641846.0	3576102.0 *	

*** UTM location was derived from PLSS - see Help**

Driller License:	**Driller Company:**	
Driller Name:		
Drill Start Date:	**Drill Finish Date:**	**Plug Date:**
Log File Date:	**PCW Rcv Date:**	**Source:**
Pump Type:	**Pipe Discharge Size:**	**Estimated Yield:**
Casing Size:	**Depth Well:**	**Depth Water:**

10/2/24 3:57 PM MST **Point of Diversion Summary**

Water Right Summary

get image list

WR File Number:	CP 00629	**Subbasin:**	CP	**Cross Reference:**
Primary Purpose:	PRO 72-12-1 PROSPECTING OR DEVELOPMENT OF NATURAL RESOURCE			
Primary Status:	PMT Permit			
Total Acres:		**Subfile:**		**Header:**
Total Diversion:	0.000	**Cause/Case:**		
Owner:	J.C. MILLS			

Documents on File

(acre-feet per annum)

Transaction Images	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/To	Acres	Diversion	Consumptive
get images	475207	72121	1981-04-24	EXP	EXP	CP 00629	T		3.000	
get images	475205	72121	1981-03-26	EXP	EXP	CP 00629	T		3.000	
get images	475198	72121	1980-12-01	EXP	EXP	CP 00629	T		3.000	

Current Points of Diversion

POD Number	Well Tag	Source	Q64	Q16	Q4	Sec	Tws	Rng	X	Y	Map	Other Location Desc
CP 00629			SE	SE	SW	08	23S	34E	641846.0	3576102.0 *		

*** UTM location was derived from PLSS - see Help**

10/2/24 3:55 PM MST **Water Rights Summary**

U.S. Fish and Wildlife Service
National Wetlands Inventory

Wetland 2,709 feet

October 2, 2024

Wetlands

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

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

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

Potash Mine 113,595 feet

10/2/2024, 7:52:46 PM

1:288,895

0 2 4 8 mi

0 3.25 6.5 13 km

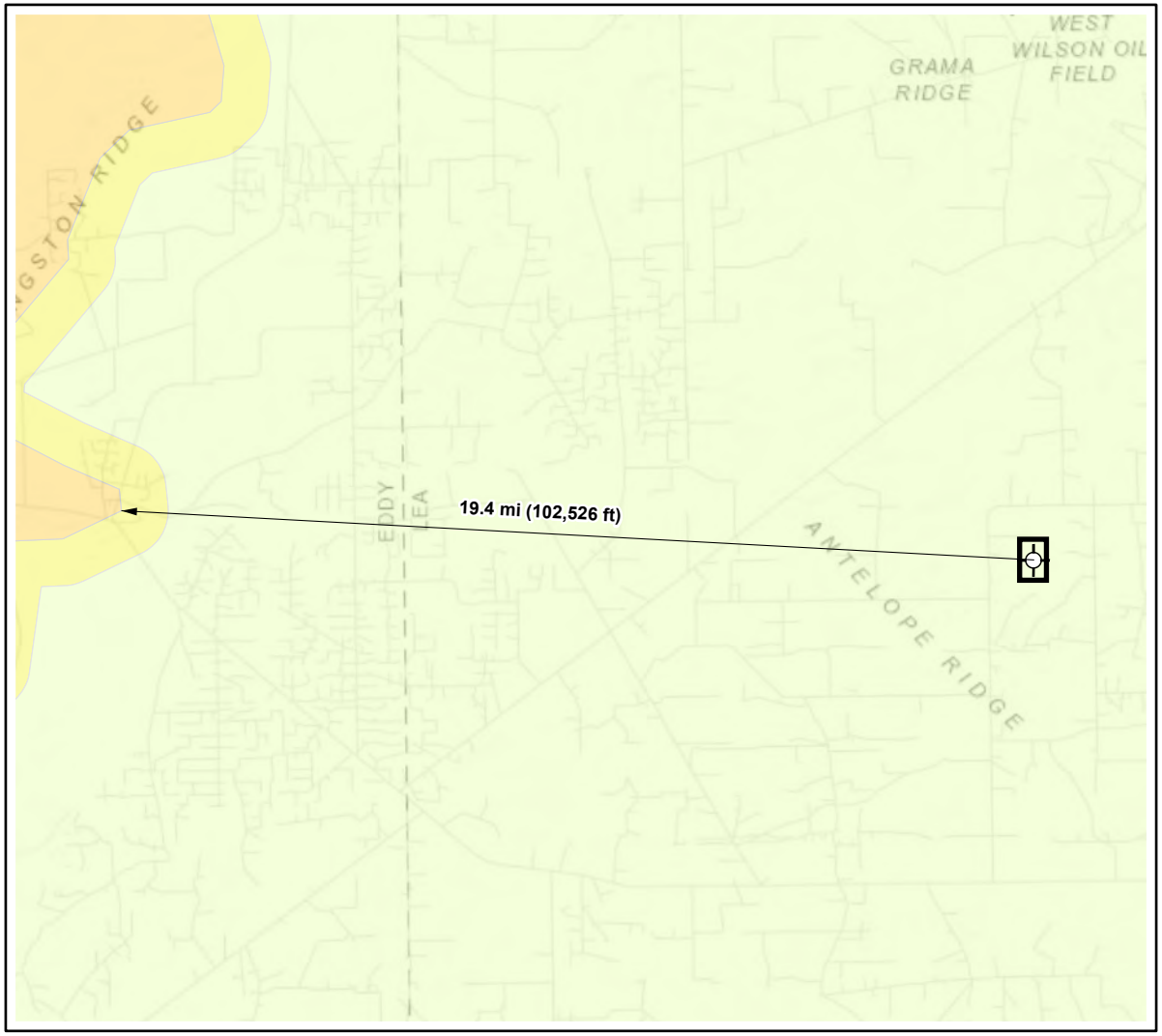
Registered Mines

- Aggregate, Stone etc.
- Aggregate, Stone etc.
- Aggregate, Stone etc.
- Industrial Minerals (Other)
- Potash
- PLSS Townships

Texas Parks & Wildlife, CONANP, Esri, TomTom, Garmin, SafeGraph, METI/NASA, USGS, EPA, NPS, USDA, USFWS, Esri, NASA, NGA, USGS, BLM

EMNRD MMD GIS Coordinator

New Mexico Energy, Minerals and Natural Resources Department (http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=1b5e577974664d689b47790897ca2795)



Karst Potential

- Critical
- High
- Medium
- Low

- Site Location
- Site Buffer (1000 ft)

Overview Map
0 0.75 1.5 3 mi

Detail Map
0 150 300 600 ft

VERTEX

Map Center:
Lat/Long
32.309735°,-103.494509°

NAD 1983 UTM Zone 13N
Date: Oct 07/24

N

Karst Potential Map
White Dove 17 CTB 3

Figure:
X

devon

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 2022; 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.

Document Path: G:\1-Projects_US PROJECTS\Devon Energy Corporation\2024\24E-03262 - White Dove 17 CTB 3\Project\24E-03262.aprx

National Flood Hazard Layer FIRMette

FEMA

103°29'58"W 32°18'50"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°29'21"W 32°18'19"N

Basemap Imagery Source: USGS National Map 2023

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*

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
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

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 10/5/2024 at 7:48 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 Lea County, New Mexico

October 5, 2024


Custom Soil Resource Report
Soil Map
BE
SE
Soil Map may not be valid at this scale.
Map Scale: 1:2,380 if printed on A landscape (11" x 8.5") sheet.
Meters
Feet
Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84
N
32° 18' 39" N
32° 18' 28" N
103° 29' 29" W
103° 29' 49" W
642000
641950
641900
641850
641800
641750
641700
641650
641600
641550
641500
357587O
357582O
357577O
357572O
357567O
357562O
357557O

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: Lea County, New Mexico
Survey Area Data: Version 21, 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: Feb 7, 2020—May 12, 2020

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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BE	Berino-Cacique loamy fine sands association	17.9	90.6%
SE	Simona fine sandy loam, 0 to 3 percent slopes	1.9	9.4%
Totals for Area of Interest		**19.8**	**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.

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.

Lea County, New Mexico

BE—Berino-Cacique loamy fine sands association

Map Unit Setting

National map unit symbol: dmpd
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 13 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 50 percent
Cacique and similar soils: 40 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock

Typical profile

A - 0 to 6 inches: loamy fine sand
Btk - 6 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Cacique

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 12 inches: loamy fine sand
Bt - 12 to 28 inches: sandy clay loam
Bkm - 28 to 38 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 20 to 40 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7c
Hydrologic Soil Group: C
Ecological site: R070BD004NM - Sandy
Hydric soil rating: No

Minor Components

Maljamar

Percent of map unit: 6 percent
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

Palomas

Percent of map unit: 4 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

SE—Simona fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: dmr2
Elevation: 3,000 to 4,200 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 58 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Simona and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Simona

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 8 inches: fine sandy loam
Bk - 8 to 16 inches: gravelly fine sandy loam
Bkm - 16 to 26 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 7 to 20 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 35 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Very low (about 2.0 inches)

Interpretive groups

Land capability classification (irrigated): 6s
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D

Ecological site: R070BD002NM - Shallow Sandy
Hydric soil rating: No

Minor Components

Kimbrough

Percent of map unit: 8 percent
Ecological site: R077CY037TX - Very Shallow 16-21" PZ
Hydric soil rating: No

Lea

Percent of map unit: 7 percent
Ecological site: R077CY028TX - Limy Upland 16-21" PZ
Hydric soil rating: No

USDA Natural Resources Conservation Service

Ecological site R070BD003NM
Loamy Sand

Accessed: 10/06/2024

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

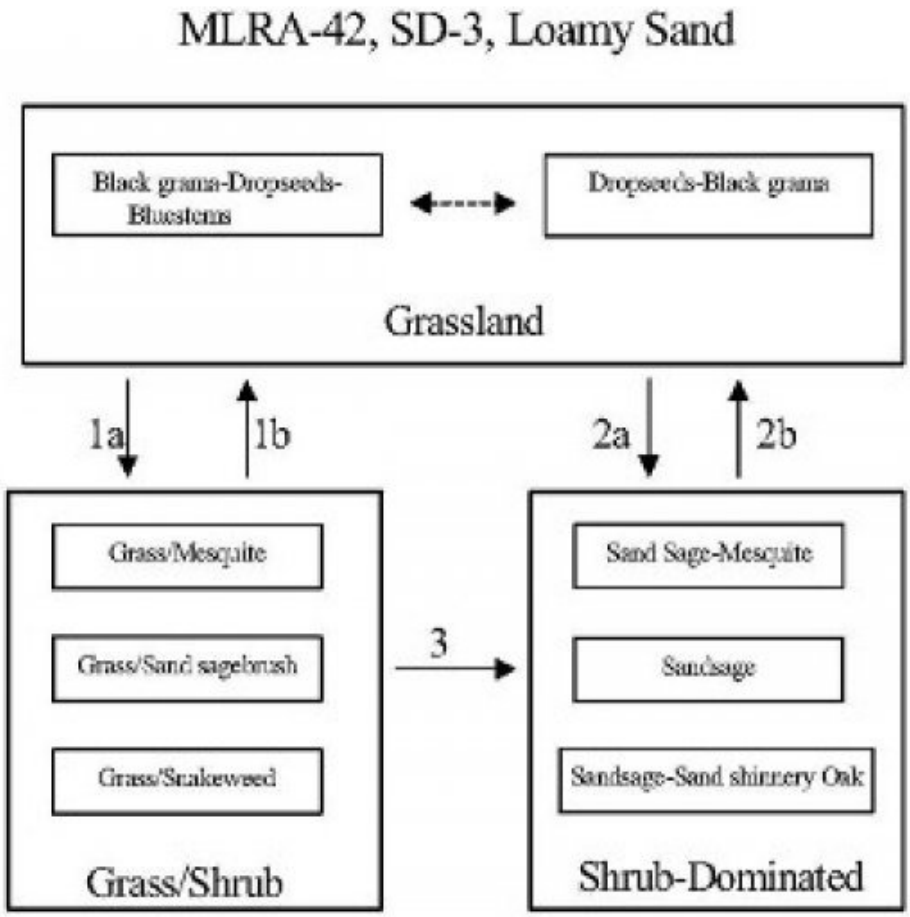
Overview

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):



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

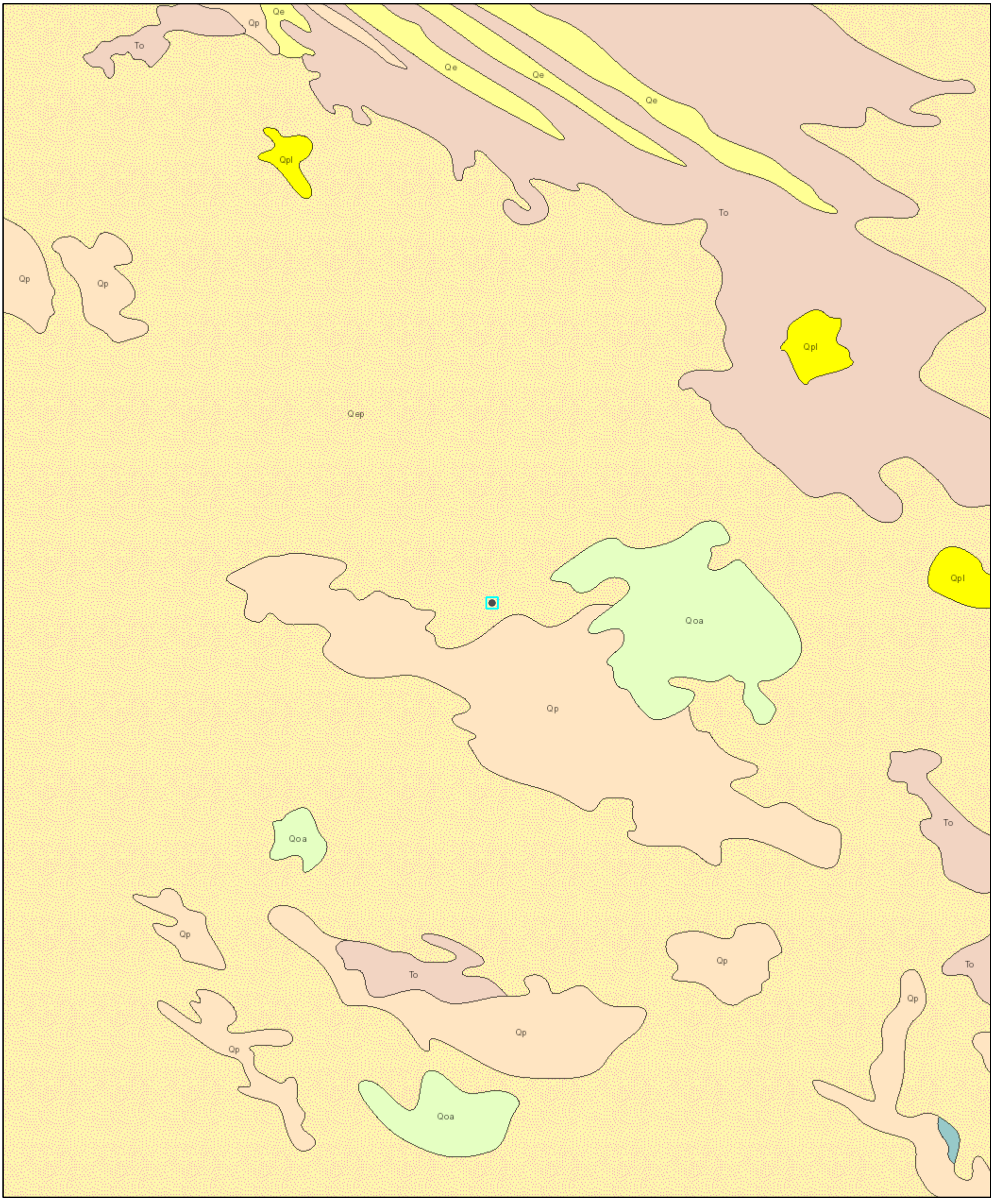
aggressive rhizome system. Shinnery oak's extensive root system promotes competitive exclusion of grasses and forbs. Sand sage, shinnery oak, and mesquite can be controlled with herbicide (Herbel et al. 1979, Pettit 1986). Transition to Shrub-Dominated (2a): Severe loss of grass species with increased 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/threeawns cover • Surface soil erosion • Bare patch expansion • Increased sand sage, shinnery oak, and mesquite/dropseed/threeawn 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	*Schizachyrium scoparium*	61–123	–
2	**Warm Season**			37–61	
	sand bluestem	ANHA	*Andropogon hallii*	37–61	–
3	**Warm Season**			37–61	
	cane bluestem	BOBA3	*Bothriochloa barbinodis*	37–61	–
	silver bluestem	BOSA	*Bothriochloa saccharoides*	37–61	–
4	**Warm Season**			123–184	
	black grama	BOER4	*Bouteloua eriopoda*	123–184	–
	bush muhly	MUPO2	*Muhlenbergia porteri*	123–184	–
5	**Warm Season**			123–184	
	thin paspalum	PASE5	*Paspalum setaceum*	123–184	–
	plains bristlegrass	SEVU2	*Setaria vulpiseta*	123–184	–
	fringed signalgrass	URCI	*Urochloa ciliatissima*	123–184	–
6	**Warm Season**			123–184	
	spike dropseed	SPCO4	*Sporobolus contractus*	123–184	–
	sand dropseed	SPCR	*Sporobolus cryptandrus*	123–184	–
	mesa dropseed	SPFL2	*Sporobolus flexuosus*	123–184	–
7	**Warm Season**			61–123	
	hooded windmill grass	CHCU2	*Chloris cucullata*	61–123	–
	Arizona cottontop	DICA8	*Digitaria californica*	61–123	–
9	**Other Perennial Grasses**			37–61	
	Grass, perennial	2GP	*Grass, perennial*	37–61	–
Shrub/Vine					
8	**Warm Season**			37–61	
	New Mexico feathergrass	HENE5	*Hesperostipa neomexicana*	37–61	–
	giant dropseed	SPGI	*Sporobolus giganteus*	37–61	–
10	**Shrub**			61–123	

White Dove 17 CTB 3 Geology



1/10/2025, 2:30:27 PM

Lithologic Units

- Playa——Alluvium and evaporite deposits (Holocene)
- Water——Perenial standing water
- Qa——Alluvium (Holocene to upper Pleistocene)

1:144,448

0 1.25 2.5 5 mi

0 2.25 4.5 9 km

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

ArcGIS Web AppBuilder

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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 440804
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2417440880**
Incident Name	**NAPP2417440880 WHITE DOVE 17 CTB 3 @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Plan Received**
Incident Facility	**[fAPP2209631085] WHITE DOVE 17 CTB 3**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	WHITE DOVE 17 CTB 3
Date Release Discovered	06/21/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Equipment Failure | Separator | Produced Water | Released: 6 BBL | Recovered: 5 BBL | Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Operator found a pin hole on the water side of the separator. Isolated lines to stop the leak. 5.5 bbls spilled onto pad. 5 bbls recovered

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QUESTIONS (continued)

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	Action Number: 440804
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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	**No**
Reasons why this would be considered a submission for a notification of a major release	*Unavailable.*
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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/10/2025

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QUESTIONS (continued)

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	Action Number: 440804
	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 26 and 50 (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 ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	21000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	93
GRO+DRO (EPA SW-846 Method 8015M)	38
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	01/27/2025
On what date will (or did) the final sampling or liner inspection occur	04/01/2025
On what date will (or was) the remediation complete(d)	04/27/2025
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	2173
What is the estimated volume (in cubic yards) that will be remediated	336
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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	Action Number: 440804
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	*Not answered.*
(In Situ) Soil Vapor Extraction	*Not answered.*
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	*Not answered.*
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	*Not answered.*
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	*Not answered.*
Ground Water Abatement pursuant to 19.15.30 NMAC	*Not answered.*
OTHER (Non-listed remedial process)	*Not answered.*
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 03/10/2025
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

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	Action Number: 440804
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS (continued)

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	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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CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 440804
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. The site will need to be remediated to the strictest closure criteria standards from Table 1 of the OCD Spill Rule. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Confirmation samples should be collected every 200 ft2. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Around equipment, all sidewall samples should be taken from the sidewall of the excavation. The work will need to occur in 90 days after the Remediation Plan has been approved.	3/11/2025